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Antuitrin "S"

CHORIONIC GONADOTROPHIN

A standardized solution of chorionic gonadotrophin obtained from human pregnancy urine.

In the female, the effect of Antuitrin 'S' is mainly luteinizing, and it is indicated in functional uterine bleeding, dysmenorrhoea, oligomenorrhoea and habitual and threatened abortion.

In the male, Antuitrin 'S' acts on the interstitial cells of the testes, increasing secretion of the male hormone, and is used in the treatment of cryptorchidism, impotence, and aspermia.

In both sexes, Antuitrin 'S' has been shown to be valuable in delayed puberty, genital infantilism, acne vulgaris, adipose-genital dystrophy (Fröhlich's syndrome), and in some cases of sterility.

PACKAGES. *Antuitrin 'S' is supplied in rubber capped vials of* 10 *c.c.* (100 *International units per c.c.*) *and* 5 *c.c. Concentrated Solution* (500 *International units per c.c.*). *Antuitrin 'S' should be stored in a cool place.*

PARKE, DAVIS & COMPANY
50, BEAK STREET, LONDON, W.1.
LABORATORIES: HOUNSLOW, MIDDLESEX. INC. U.S.A. LIABILITY LTD.

The value of MILTON in problems of excessive perspiration is well known on your side of the counter. Is it as well known on the other side? Why not tell them about MILTON!

Prophets and Profits

Success in business depends, to an important extent, upon the ability to foresee. Invariably the best prophet makes the most profit.

This is particularly true of the retail pharmacist, for he operates in a market which responds very sensitively to weather conditions, incidence of sickness, changes arising from medical and manufacturing developments, to the ebb and flow of public likes and dislikes.

Some men are better prophets than others and acquire the reputation of being "lucky." In most cases it is not luck but close observation and sound judgment.

Take the weather for example and its effect upon the sales of Simpson's Foot Ointment. When temperature jumps, sales jump. Some chemists tell us that Simpson's sells at 14 to 16 times the normal rate during protracted spells of warmth with temperatures in excess of 80°F. But that's not all. These additional sales, which constitute the peaks, during the summer largely consist of sales to *new users* of Simpson's Foot Ointment, some of whom continue to buy it thereafter, summer and winter alike. There is a direct ratio between summer and winter sales of this product. If summer sales go up by say, 40% (as they have in the last few years) winter sales are up by a corresponding percentage.

It is a far seeing policy to keep Simpson's Foot Ointment on bold display when hot weather is imminent and to hold a buffer stock in readiness for sudden hot spells (several are reliably forecast this summer). Every sale you can make is doubly valuable —firstly because of immediate profits and secondly because *Simpson's is a statistically proved repeater.*

So much for prophecy. What about the profit? On best terms you net over 40% from every sale you make. But what is equally important, it's C.F. *All* the profits are tied to you — the pharmacist.

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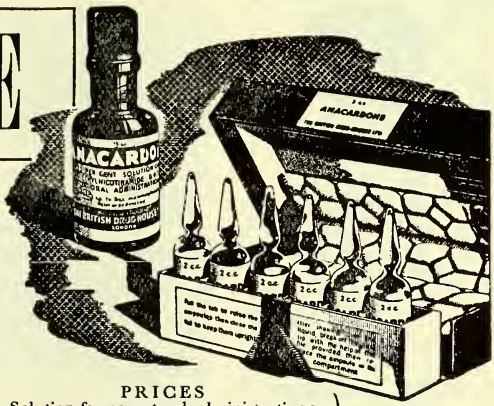
ANACARDONE



Anacardone is Nikethamide of the B.P. It is indicated in all forms of respiratory distress or cardiac insufficiency: for example, in surgical and obstetric shock, collapse following submersion, electric shock, narcotic poisoning; and cardiac and respiratory insufficiency due to pneumonia, influenza, and other infections.

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Anacardone is advertised to the medical profession, and pharmacists will be well advised to keep an adequate stock.

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Wholesale per doz. 132/-

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Fig. 726A

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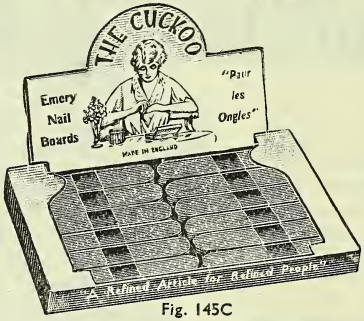

Fig. 145C

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Fig. 826A

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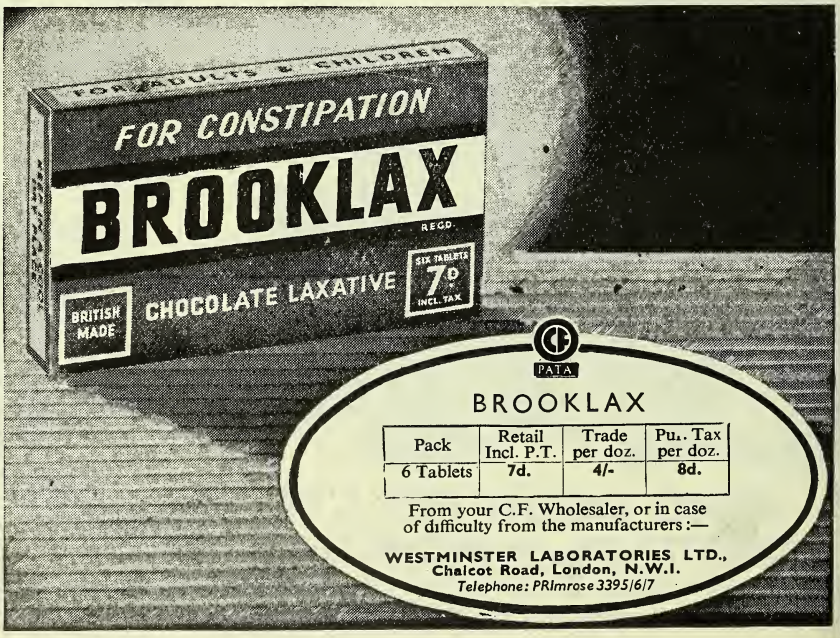

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M 305

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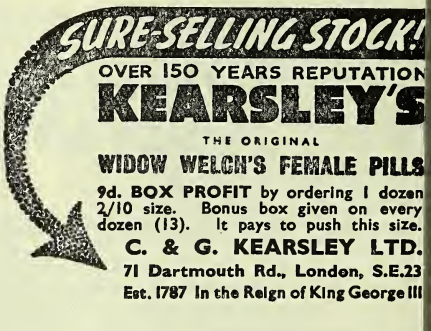

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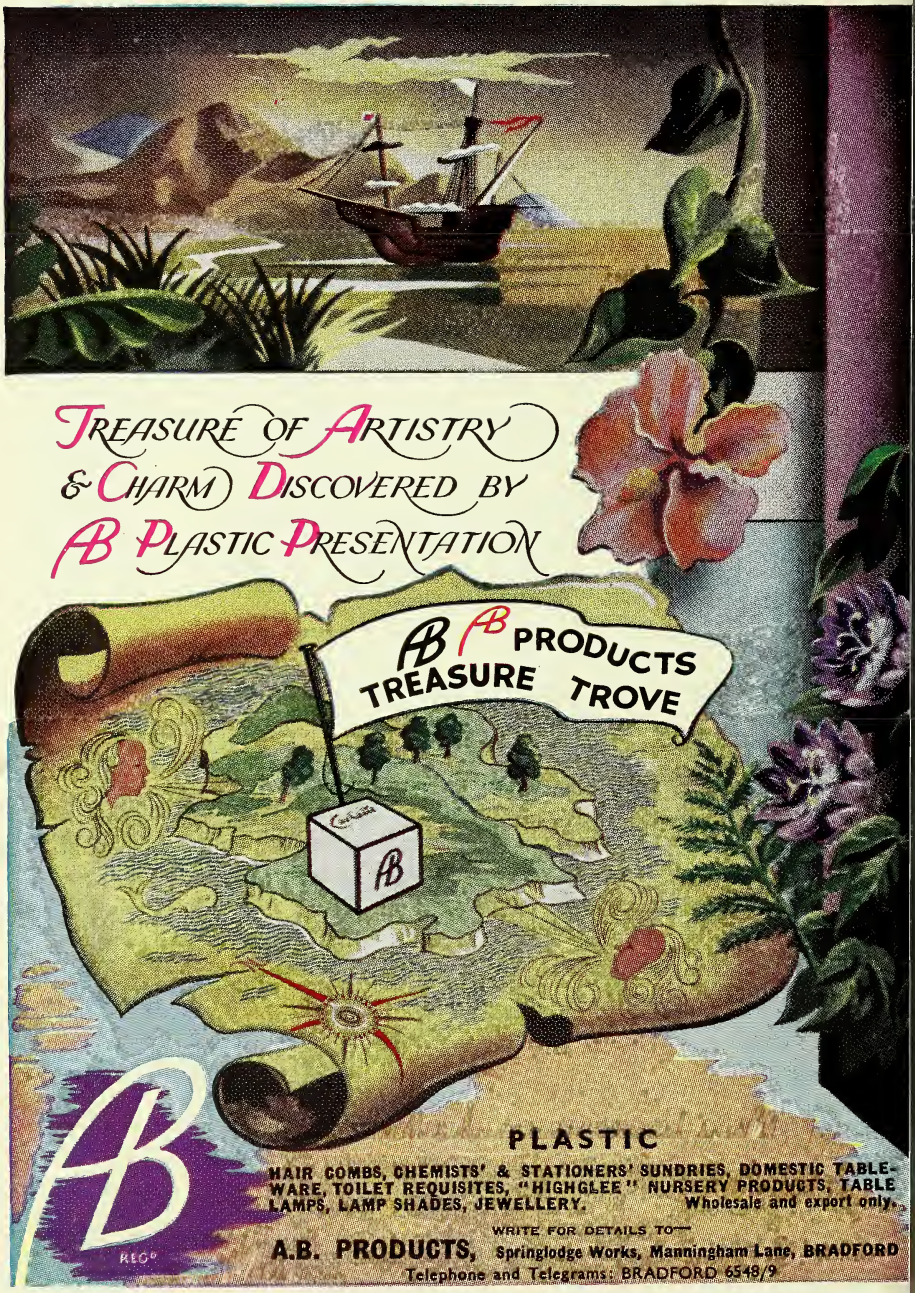

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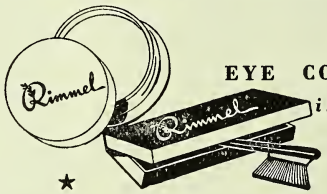

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NEWS OF THE WEEK

Glasgow Chemistry Bicentenary.—To lebrate the establishment of a "lecture-ip" in chemistry at Glasgow in 1747, four ecial lectures are to be given during the niversity's present summer term. They ill later be published in book form, with her essays.

Royal Institute of Chemistry.—The llowing officers of the Royal Institute of hemistry have been appointed for 947-48:— *President,* Mr. Gerald Roche ynch, O.B.E.; *Vice-Presidents,* Messrs. . L. Bacharach, H. V. A. Briscoe, W. ullen, G. E. Dodds, A. Findlay, and A. J. rince; *Treasurer,* Mr. D. W. Kent-Jones.

Chemical Engineering Courses. — ourses in chemical engineering are being rranged by the Government at certain echnical colleges for men from the Services r men who were on essential war work, who ave certain preliminary qualifications. inancial aid may be granted. Information available from the Technical and Scienti-c Register, York House, Kingsway, Lon-on, W.C.2.

Cosmetics from India.—Toilet preparations and cosmetics, products of a new Indian industry, are included in an Indian Trade Exhibition opened in London on May 9. The exhibition, organised by the Government of India, is to remain open until June 28, and the exhibits are to be changed occasionally. None of the exhibits can be purchased, and few are likely to be available in Britain for about two years.

Deputation on Closing Hours.—The executive council of the Union of Shop, Distributive and Allied Workers have decided to ask the Home Secretary to receive a deputation opposing the recent recommendation by the Gowers Committee of a 7 p.m. closing hour for shops, and to ask Members of Parliament to put forward the Union's views when any projected legislation is discussed.

International Chemical Congress.—At the request of French members, a session of the Eleventh International Congress of Pure and Applied Chemistry to be held in London, July 17-24, will be devoted to the

discussion of chemistry in relation to essential oils, flavouring materials and cosmetics. The chairman of the section on chemistry in relation to medicine and therapeutics is Dr. C. R. Harington, F.R.S., with Dr. J. Walker (Medical Research Council) as secretary.

Kinninmont Prize Scholarship.—The annual competition for the Kinninmont Prize, a scholarship value £10 10s., tenable at the Royal Technical College, Glasgow, will be held in June. The competition is open to all students in the area covered by the Glasgow and South-western Scottish Branch of the Pharmaceutical Society who are attending, or have attended, an approved course of instruction for the Intermediate examination. The prize will be awarded on the result of a written examination in chemistry, physics and botany. Intending candidates should send their names to Professor J. P. Todd, Royal Technical College, George Street, Glasgow, C.1.

R.A.M.C. War Memorial Appeal.—A national appeal for the Royal Army Medical Corps War Memorial Fund was launched in London on May 7 by Lieutenant-General Sir Alexander Hood (Director-General, Army Medical Services). The fund is intended to help men disabled during their war-service in the R.A.M.C., and their dependants, by providing cash grants, assisting in the obtaining of civilian qualifications, and helping to provide for the education of children. It will be administered by a committee on which all ranks of the Corps are represented. Contributions should be sent c/o Glyn, Mills & Co., 22 Whitehall, London, S.W.1.

LOCAL NEWS

Liverpool Officers.—At the annual meeting of the Liverpool Chemists'Association, recently, the following officers were elected: *President,* Mr. E. A. Briggs; *Vice-president,* Mr. W. E. Shepherd; *Treasurer,* Mr. Martin S. Hughes; *Secretary,* Mr. J. P. Murphy. The same officers were elected to hold corresponding positions in the Liverpool Branch of the Pharmaceutical Society.

East Kent Officers.—The following officers were elected at the annual meeting of the East Kent Branch of the Pharmaceutical Society, held recently:—*Chairman,* Mr A. P. Hartman, 21 Beaver Road, Ashford; *Vice-chairman,* Mr. H. Pope; *Treasurer,* Mr. W. H. Boorman; *Secretary,* Mr. W. S. Prentice, 20 St. Stephen's Hill, Canterbury.

Dundee Presentation Fund.—A fun has been opened by the Dundee and Eas and Central Scottish Branch of the Phar maceutical Society for a gift to be presente to Dr. D. McCall (Technical Colleg Dundee) at a dinner to be held in July Subscriptions should be sent not later tha June 20 to Miss E. Fyfe, 140 Albert Stree Dundee, or to Mr. C. W. Macfarlane, 15 Arbroath Road, Dundee.

Edinburgh Annual Meeting.—At th annual meeting of the Edinburgh an South-eastern Scottish Branch of the Phar maceutical Society, held recently in Edi burgh, the following officers were elected —*Chairman,* Mr. J. C. Somerville; *Vice chairman,* Mr. George Hedderwick; *Secre tary and Treasurer,* Mr. Charles G. Drum mond, 38 Grassmarket, Edinburgh. M W. A. Beattie, who had been chairman fo three years, said he was shortly leaving fo Glasgow, and thanked the committee an members of the Branch for their kindne and help. Dr. Joseph Tait (resident secre tary of the Society in Scotland) then gav an address on current pharmaceutica topics, dealing with pharmaceutical educa tion, the Society's Charter, the Penicilli Bill, the National Health Service and th National Service Bill.

Mr. Mallinson at Blackpool.—Mr. G. A Mallinson (secretary, National Pharmaceu tical Union), speaking at a meeting of th Blackpool Branch of the N.P.U. recentl said that, in his personal view, the report o the Pharmaceutical Society's Educatio Committee (see *C. & D.,* April 12, p. 40 set too high a standard for present need Once embarked on a long university cours students would tend to branch into othe scientific spheres. The majority of pha macists were engaged in retail practice, an the proposed high standard, although just fiable for pharmacists engaged in laborator and research work, was not justifiable fo retail pharmacists. He did not agree wit Mr. A. A. Meldrum's recent suggestion tha chemists' shops would be a rarity within generation. Referring to the proposed re vision of the Society's constitution, M Mallinson considered that it would mak the Council even more autocratic and le responsible to its members than it wa today.

Annual Meeting at Edgware.—At th annual meeting of the Hendon and Edg ware Branch of the Pharmaceutical Societ and Association on April 28, Mr. S. E Beaton (secretary) reported that during th year seven meetings had been held an

addresses given on a variety of pharmaceutical topics. At the instigation of the Wembley Branch, an inter-branch liaison committee had been set up, covering the Wembley, Western, North Metropolitan and Hendon and Edgware Branches. Messrs. Derek Clarke and Horace Wright had been appointed to represent Hendon and Edgware Branch. The secretary concluded by emphasising the value to pharmacy of Association membership. The Association not only helped to strengthen Branch finances but was, in fact, the nuclear centre round which Branch activities revolved. He appealed to those present to do their utmost to interest pharmacist colleagues in the Association. During the year, Branch membership had risen from 174 to 206. Association membership was fifty. The year ahead would hold vital significance for pharmacy and the Hendon and Edgware Branch and Association intended to play a full and active part in pharmaceutical affairs. The following officers were then elected: *Chairman and President,* Mr. G. H. Hankinson; *Vice-chairman* and *Vice-president,* Mr. Horace Wright; *Secretary,* Mr. S. E. Beaton; *Treasurer,* Mr. S. I. Cooper; *Committee,* Messrs. A. G. Andrews, S. R. Baldry, B. Boasten, D. B. Clarke, M. A. Gordon, E. W. Jones, I. C. Mantripp, B. Nokes, L. Penney, G. R. A. Short, A. J. Stanley, B. J. Tammar, A. T. Thomson, H. S. Wilson, the Misses A. M. Quibell and E. Spivack; *Auditors,* Messrs. A. Innes and J. R. Simpson.

Glasgow Annual Meeting.—The annual meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society was held in Glasgow recently, Mr. R. M. McCrone (chairman) presiding. Moving the adoption of the annual report, the chairman pointed out that membership was now 1,266, an increase of forty-one on the previous year. Twenty members had died since the last annual meeting, two of them on service. During the session six meetings had been held in Glasgow and one district meeting in Greenock; with so large membership, he thought larger attendances might have been expected. The Branch was endeavouring to raise £1,000 to provide a prize at the Royal Technical College, and about a quarter of the sum had been raised. He regretted that the Branch contribution per-head to the Society's Benevolent Fund was much smaller than that of other Scottish branches and appealed for greater generosity. The report and financial statement were approved. The following officers were elected or re-elected:— *Chairman,* Mr. R. M. McCrone; *Vice-chairman,* Mr. S. Hughan; *Secretary* and *Treasurer,* Mr. A. Officer; *Librarian,* Mr. T. Newton; *Committee,* the Misses E. Paul and M. Suttie, and Messrs. W. C. Carmichael, S. G. Home, E. J. B. Allison, Colin Campbell, R. McAdam, H. B. Dunn, W. S. Culbert, G. R. Milne, A. B. Gilmour, C. A. Buick, R. B. Birrell, T. Smith and Professor J. P. Todd; *Auditors,* Messrs. W. Peebles and A. McWilliam. Mr. G. R. Milne (deputy director of the blood transfusion service in Scotland) appealed to members to publicise the need for blood donors. Professor J. P. Todd asked the views of the meeting on a suggestion to hold evening classes dealing with work not usually covered by the Chemist and Druggist Qualifying syllabus. It was agreed that such classes were desirable. and the officers of the Branch undertook to discuss the subject with Professor Todd.

IRISH NEWS

Belfast Exhibition.—The director of the Belfast Museum and Art Gallery has arranged for an exhibition dealing with medicinal plants to be presented by Miss P. Kertland, M.Sc., during week commencing August 11.

Inaugural Meeting in Belfast.—A Northern Ireland section of the Society of Chemical Industry was inaugurated at a meeting in Belfast on May 7 in which Dr. L. H. Lampitt (president of the Society) took part.

Northern Ireland Negotiating Committee.—The committee appointed to represent pharmacy in Northern Ireland in negotiations with the Ministry of Health about the new Health Services Bill has submitted a memorandum to the Ministry and it is expected that a further conference will be called shortly (see *C. & D.,* April 12, p. 391).

Irish Drug Association.—On medical advice, Mr. George A. McLean Lee, who has been treasurer of the Irish Drug Association for more than twenty-five years, has resigned from that office but is continuing as a member of the executive committee. On the motion of Mr. M. Costello (president), seconded by Mr. T. R. Bourke, Mr. T. C. Scott was unaminously elected in his place. Owing to the demands of his own accountancy business, Mr. R. A. Kidney has recently resigned from the secretaryship,

and it has been decided that the rapidly increasing work of the Association can be dealt with efficiently only by the appointment of a full-time secretary. In addition the Association has recently acquired, and will shortly move into, its own premises at 27 Merrion Square, Dublin.

Dublin D. & P. Prices.—The following new scale of prices for photographic developing and printing work agreed by the leading finishers, in Dublin and district, came into operation on May 1. *Developing*: All spools other than miniature, 6d. per roll; fine grain, 9d.; miniature 1-18 exposures, 1s.; miniature 19-36 exposures, 1s. 6d.; charge for total failures, 6d. Plates and flat film: Up to 2½ in. by 4½ in., 3d. each; 4 in. by 5 in., 4d. each; 4¾ in. by 6½ in., 6d. each; 6½ in. by 8½ in., 7½d. each. *Printing*: Up to 1⅞ in. by 2¾ in., 2½d. each; up to 2½ in. by 3½ in., 3d. each; up to 3½ in. by 4½ in., 3½d. each; up to 3½ in. by 5½ in., 4d. each; up to 4¾ in. by 6½ in., 6d. each. *Enlarging*: 3½ in. by 5½ in. or smaller, 8d. each; sepia, 4d. extra; 4¾ in. by 6½ in., 1s. 6d .each, sepia, 6d. extra; 6½ in. by 8½ in., 2s. 6d., sepia, 6d. extra; 8 in. by 10 in., 3s. 6d., sepia, 9d. extra; 10 in. by 12 in., 4s. 6d., sepia 1s. extra; 12 in. by 15 in., 5s. 6d., sepia, 1s. 6d. extra; 16 in. by 20 in., 11s., sepia 2s. 6d. extra. En-prints from whole of negative up to 2½ in. by 3½ in., 5d., 2d. extra for sepia; up to 3½ in. by 4½ in., 6d. each, 2d. extra for sepia. *Copy negatives*: Up to 3¼ in. by 4¼ in., 2s. each.

OVERSEAS NEWS

Antibiotics in Canada.—Penicillin and streptomycin may no longer be sold to the general public in Canada except on individual prescription from a physician, dentist or veterinary surgeon, The ban applies to salts of penicillin and compounds of streptomycin as well as to the basic product.

Egyptian Pharmaceutical Industry.—A letter from the Egyptian Federation of Industries published recently in "La Bourse Egyptienne," Cairo, states that many Egyptian pharmaceutical manufacturers are enlarging and modernising their plants, and that Egyptian pharmaceutical products are holding their own against foreign competition.

South African Annual Meeting.—At the annual meeting of the Pharmaceutical Society of South Africa, held recently in Pietermaritzburg, Mr. Albert Abelson (president) in the chair, the Pharmac Board was urged to make representations t have the Medical, Dental and Pharmac Act amended to prohibit the indiscriminat distribution of habit-forming drugs. It wa also announced that the Board had draft regulations to prevent students from under taking pharmaceutical studies until the were certain of being afterwards accepte as apprentices.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House o Commons

In the House of Commons on May 5 Mr P. Piratin asked the Minister of Suppl whether, arising from his request, th United States Government had provide him with supplies of radioactive iodine an other isotopes, and if he would state i detail the character and quantity of thes supplies.

Mr. A. Woodburn (Parliamentary Secr tary): No. The American Atomic Energ Commission has not yet approved th export of these materials.

Paper for Medical Books

Sir Ernest Graham-Little asked th President of the Board of Trade if he wa aware that the shortage of newsprint all cated to the publication of medical boo was resulting in a critical position, serious interfering with the medical education all the medical schools. Sir Stafford Cripp replied that he was considering wheth steps could be taken to improve th position.

Hearing Aids

On May 8 Mr. Thomas Lewis asked th Minister of Health what progress had bee made in the manufacture and distributi of aural aid outfits at reasonable prices. M Aneurin Bevan stated that the Minister Supply had placed contracts for the man facture of the aids, which he hoped wou be available for distribution when th National Health Service began.

Soap Shortage

During the week there were several que tions about local shortages of soaps. T replies indicated that the production soap was retarded by fuel shortage, resu ing in delays in delivery to retailers. might not be possible to find a particul brand, but in most areas supplies we adequate.

TOPICAL REFLECTIONS

Educational Echoes

Echoes of the recent action of the Council of the Pharmaceutical Society in raising its standards for certificates of qualification continue to reverberate (pp. 517, 518). "Although there was general agreement with the Society's education policy, some members thought that it was out of touch with conditions in retail pharmacy." "Future pharmacists must be suitably qualified for a closer link with the medical profession." "The future pharmacist might be so highly qualified that he would not be disposed to spend his time in routine dispensing." These sentences give us something to think about. My opinion of the Council's policy remains unchanged. Granted that education in pharmacy must keep pace with education in comparable vocations—and no sensible observer wishes otherwise—it remains true that any society not in close touch with realities is in danger of early decline. The world of affairs is the crucial test of sound corporate health, and societies neglect it at their peril. Can it be shown that the new standards of qualification are needed so soon? I think not. Some of our publicists are speaking or writing as if there was an inherent competition between training at a university and training at a technical college. To express such a view is to confuse ideas. At the older universities (and, I suppose, at every British university) undergraduates are encouraged to get rid of the textbook mentality, if they have it, as early as possible. At a technical college textbooks count for more, though students are not expected to be their slaves. The emphasis in the two types of study is different; the results are not exactly alike.

Unity in Diversity

There must, however, be an underlying unity in this diversity. The old theory of bifurcation (as it has been called), the separation of pharmacists into two divergent and almost irreconcilable classes, has lately raised its head again after a period of quiescence. As I remarked a few weeks ago, British pharmacy has accepted a higher and a lower qualification since 1868: and many, perhaps most, of us are satisfied that this dual status fulfils the requirements of the community. Our educational reformers are, I submit, in error in forcing the pace. Too much, for instance, can be made of the asset of being able to advise medical men. We might reach a condition in which the well known relationship in Bullein's "Bulwarke of Defence" would be reversed: pharmacists might become so learned that instead of the apothecary being the physician's cook the physician would be the pharmacist's parrot. Again, the suggestion that a pharmacist would be so highly qualified as to turn up his nose at "routine" dispensing is to me a deadly heresy. Among the functions for which a pharmaceutical student qualifies, dispensing will, I hope, always take the highest place. In so far as it partakes of the nature of routine, dispensing is none the worse; indeed, it may well be the better. What can ensure a certainty of technique equal to that derived from constant handling of the materials of one's vocation?

Tooth-brushes

The article on "The 'Tooth-brush' Tree" (p. 535) brings us into contact with what was probably the earliest type of implement used for cleaning teeth, a scraped and burred piece of wood. The legend of superlative excellence of teeth in primitive races dies hard, and your contributor wisely refers to it as a mere belief. The early history of tooth-brushes in this country is obscure. Some made of bristle came from France, as far as I have been able to trace, about midway in the seventeenth century. In 1649, as the Verney Memoirs show, Sir Ralph Verney was asked to inquire in Paris for "the little brushes for making cleane of the teeth, most covered with sylver, and some few with gold and sylver Twiste": the same book contains a record in 1651 of "a gift of the new Paris luxury—the Teeth Brushes and boxes." Unhappily there is a virtual hiatus in the invaluable Burney papers of the British Museum from about the middle of 1665 to the middle of 1679. That brushes of the French kind did not quickly oust the older wooden appliances is shown by an advertisement of "Incomparable India Dentiffick Roots" at sixpence each in the "Daily Courant" of November 18, 1707. Each root was to be "dipped in fair Water, and bruis'd with a Hammer." By 1755 tooth-brushes with a sponge mounted at one end were on sale. Dentifrices have a longer history. They were apparently applied at first with the fingers or in any other way that might occur to the user, and the teeth were afterwards wiped, at any rate in 1662, "with a fine cloth."

Xrayser

COMPANY NEWS

L. E. Thomas, Ltd. (P.C.).—Capital £3,000. To carry on the business of chemists, druggists, opticians, etc. Nora M. Thomas and James N. Jones, directors. R.O.: 117 Wallasey Road, Wallasey.

Bunn & Wright, Ltd. (P.C.).—Capital £10,000. To carry on the business of chemists, druggists, etc. H. E. J. Bunn, Lenna G. Bunn and Eric M. Wright, directors. R.O.: 79 New Bond Street, London, W.1.

Miramel, Ltd. (P.C.).—Capital £100. To carry on business of manufacturers of and dealers in chemists' sundries, perfumes, soaps, etc. Harry Mumford, Marjorie J. Mumford and Ernest E. Sullivan, directors. R.O.: 58 Cambridge Drive, London, S.E.12.

Reseg Laboratories, Ltd. (P.C.).—Capital £100. To carry on the business of manufacturing chemists, druggists, etc. Brinley R. Lloyd, Thomas H. Dolman and John P. Roberts, directors. R.O.: 133 Percy Road, Whitton, Middlesex.

Mill Industries, Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, pharmaceutical products, medical and toilet preparations, etc. William J. Marmion and Kenneth B. Vansittart, directors. R.O.: 32 Greenwich High Road, London, S.E.10.

Jensen Lawson & Co., Ltd. (P.C.).—Capital £30,000. To acquire the business of a chemical merchant carried on by Albert F. Lawson at 136-142 Victoria Street, London, as "Jensen Lawson and Co." Charles Fountain, Albert F. Lawson and Aimee F. Lawson, directors.

Henry & Leigh, Ltd. (P.C.).—Capital £1,000. To carry on the business of importers, exporters and manufacturers of and dealers in chemists' sundries and requisites, toilet preparations, cosmetics, etc. Samuel Liberman and Hyman Plaskow, directors. R.O.: 7 Underwood Road, London, E.1.

Borax Consolidated, Ltd.—Mr. Ralph Assheton, M.P., has been appointed a director of the company.

Luxton, Ltd.—Mr. R. A. Orchard, M.P.S., has been appointed a director of the company. He will continue to be in charge of the Exe Pharmacy, Exeter, one of the branches of the company.

P. H. Galloway, Ltd.—Profit for 1946 amounted to £48,530 against £33,594 in the previous year. To taxation, £12,895, and provision for future taxation, £15,511. An ordinary dividend of 15 per cent. is recommended compared with 10 per cent. in 1945. £9,827 is carried forward.

Aspro, Ltd.—Shareholders have been advised that Aspro, Ltd., has acquired a controlling interest in Ivers-Lee (Great Britain), Ltd., a company formed in 1946 (*C. & D.*, August 17, 1946, p. 200) with a capital of £450,000 to carry on business as manufacturers of packaging machines.

Bankruptcy.—Charles Kendred Llewellyn, 67 Glenmor Road, Uplands, Swansea, wholesale chemist. The adjourned public examination of the above debtor was held recently at the Law Courts, Guildhall, Swansea, when the Official Receiver reported that the debtor had now furnished a statement of affairs showing unsecured liabilities of £1,334 and a deficiency of £1,304. The examination was further adjourned and an order was made that debtor lodge within twenty-one days a cash and goods account for the period November 12, 1944 to November 12, 1946.

BUSINESS CHANGES

Scottish Co-operative Wholesale Society, Ltd. (retail drug department) have recently taken over the business formerly carried on by Mr. William Gray, M.P.S., at Burnside Pharmacy, Auchtermuchty, Fife.

Walkden Co-operative Society, Ltd. have recently opened a pharmacy and optical department at 33 Ellesmere Street, Moorside, Swinton, Lancs.

Sheldons (Chemists), Ltd., have acquired the business at 1 Hillside Road, Birkdale, Lancs, formerly carried on by Mr. M. B. Harvey, M.P.S.

Prichard & Constance (Manufacturing), Ltd., have removed to North Circular Road, West Twyford, London, N.W.10 (Telephone: Elgar 8095-97).

Mr. R. Harrison, M.P.S., has acquired the business at 282 Staines Road, Hounslow, Middlesex, formerly carried on by Mr. N. R. Garry, M.P.S.

Mansfield, Sutton and District Co-operative Society, Ltd., are opening a new pharmacy at Stockwell Gate, Mansfield, Notts, on June 5.

Orridge & Co. (Orridge & Co., Ltd.), business transfer agents, valuers and assessors, have removed to 184 Strand, London, W.C.2 (Telephone: Temple Bar 9212-13).

Mr. H. I. Forman, M.P.S., has acquired the business at 231 Jesmond Road, Newcastle-on-Tyne, formerly carried on by Mr. C. I. Russell, M.P.S.

Brightside & Carbrook Co-operative Chemists, Ltd., have acquired the pharmacy at 35 Bellhouse Road, Sheffield, 5, formerly carried on by Mr. T. F. Burdekin, M.P.S.

Butt Lane Industrial Co-operative Society, Ltd., Congleton Road, Butt Lane, Stoke-on-Trent, have recently opened a new pharmacy department at their Kidsgrove premises.

MARRIAGE

BANNISTER-FOULDS. — At Downham, Clitheroe, Lancs, on May 8, Harry Peel Bannister, M.P.S., 112 Burnley Road, Colne, Lancs, to Mary R. Foulds, Colne.

DEATHS

BADANES.—On April 22, while addressing the opening session of the two-day Convention of the National Wholesale Druggists' Association in Chicago, Mr. Bernard H. Badanes, Norwalk, Connecticut, U.S.A. (vice-president in charge of purchasing, McKesson & Robbins, Inc.), aged sixty-three. Born in Lithuania, Mr. Badanes began work at thirteen as an errand boy and bottle-washer in a Boston drug store. For a time a vice-president of the L. K. Liggett Co., he became vice-president of the McKesson & Robbins organisation in 1929.

BROWNE.—At 10 King's Drive, Eastbourne, on May 2, Mr. Henry Charles Browne (H. R. Browne, chemists, Eastbourne), 44 Cornfield Road, Eastbourne, aged seventy-four. Mr. Browne is survived by his widow and one daughter.

DIGGES.—At 1 Belmont Gardens, Clonskeagh, Dublin, on April 29, Charles Edward Digges, P.C., M.P.S.I. A son of the late Dr. Digges, J.P., Mr. Digges was in business at 69 Ranelagh, Dublin. His year of qualifying was 1905. At the funeral, which took place at Mount Jerome Cemetery, Messrs. T. C. Scott and Brendan Smith represented the Irish Drug Association.

FULTON.—On April 24, Mr. Sydney Frederick Francis Fulton, M.P.S., 127 Prince Regent Lane, Plaistow, London, E.13, aged fifty-two. Mr. Fulton qualified in 1920.

HUSBANDS.—On April 18, Mr. Frederick Husbands, 62 Church Street, Stapleford, Notts, aged sixty-eight. Mr. Husbands qualified as a chemist and druggist in 1907.

INGLIS.—On April 20, Mr. Robert Inglis, 21 Struan Gardens, Glasgow, S.4, formerly of Sherwood Pharmacy, Glasgow Road, Paisley. Mr. Inglis qualified as a chemist and druggist in 1899.

METCALFE.—On April 26, Miss Daisy Emma Whish Metcalfe, M.P.S., 24 Alma Square, St. John's Wood, London, N.W.8, aged seventy. Miss Metcalfe, who qualified in 1910, joined a Voluntary Aid Detachment in 1914 and went to France as a senior pharmacist attached to a base hospital. In recent years she was engaged in locum work in hospital and retail pharmacy.

SHEPHERD.—Recently, Mr. James Henry Shepherd, Ph.C., 1 Edgefield, The Avenue, Walton-in-Gordano, Clevedon, Somerset. Mr. Shepherd qualified as a chemist and druggist in 1891, and passed the Pharmaceutical Chemist examination in 1894.

SHIMWELL.—On April 16, Mr. James Hugh Shimwell, M.P.S., Longsdon Parva, Langley Way, Watford, Herts. Mr. Shimwell qualified in 1896 and was the proprietor of a pharmacy at 143 Bushey Mill Lane, Watford.

THEAKSTON.—At 119 Whitchurch Gardens, Edgware, on May 4, Mr. Thomas Walburn Theakston, Ph.C. Mr. Theakston qualified in 1900 and passed the Pharmaceutical Chemist examination the same year. He was formerly managing director of Pritchard & Constance, Ltd., chemists, London, As Captain Theakston, R.E., he was three times mentioned in the dispatches of Sir Douglas Haig (later Earl Haig) during the 1914-18 war. He was first commissioned in 1916, after having gone out to France in July 1915 as one of the original band of pharmacists in what later became the Special Brigade, Royal Engineers. His captaincy was attained in 1918.

PERSONALITIES

MR. T. H. TAFT, M.P.S., 6 Milton Avenue, Clitheroe, Lancs, has been elected chairman of the Clitheroe Branch of the Workers' Educational Association.

MR. W. A. BEATTIE, M.P.S., has been appointed Superintendent of the Central Checking Bureau and Clerk to the National Health Insurance Drug Accounts committee (Scotland) [Corrected note].

MR. HORACE WRIGHT, M.P.S., Chandos Pharmacy, High Street, Edgware, is exhibiting two water-colour paintings at the Royal Academy Exhibition, Burlington House, London, W.1. One is a study of Painswick, Glos, and the other of Stamford, Lincs, his native town.

MR. H. E. CLEMENT was presented recently with an illuminated address by members of the Middlesex Pharmaceutical Committee in recognition of his services to the Committee since its inception in 1913. After qualifying as a chemist and druggist in 1892, Mr. Clement went into business at Hampton, retiring three years ago. He was formerly a member of Hampton Council.

TRADE NOTES

New Pack.—Clay & Abraham, Ltd., 87 Bold Street, Liverpool, 1, have adopted a new pack in plastic for their Pen series (iodine, acriflavine, dimethyl phthalate, etc.).

South African Factory.—The address of the South African factory of Fassett & Johnson, Ltd., London, is 72-80 Smith Street, Durban (not Cape Town, as stated last week).

At Castle Bromwich.—Wm. Gardner & Sons (Gloucester), Ltd., Bristol Road, Gloucester, are exhibiting at the Birmingham Section of the British Industries Fair (Stand A316) their patent "quick-change" powder dresser.

Agency Change.—Splendor, Ltd., Beastmarket Hill, Nottingham, have been appointed sole selling agents in Great Britain and the colonies for Wilson's Co-re-ga denture fixative. The preparation is now available in only one size.

Distribution in South Africa.—V. J. M. Gordon, manufacturers' representative, 3 Arthurs Chambers, West Street, Durban, Natal, is desirous of representing in the Union of South Africa a British chemists' sundries house.

Showstands.—Attention is drawn in this issue by Potters (London), Ltd., 99 St. John Street, Clerkenwell, London, E.C.1, to their new Midget support stand suitable for displaying show cards and goods such as flapjacks.

On Display at B.I.F.—A range of Flyol insecticides is included among products displayed by Fubex, Ltd., 27 Albemarle Street, London, W.1, at the British Industries Fair. The brand name was incorrectly given in an earlier paragraph.

Metalcraft Exhibition.—An Engineering and Metalcraft Exhibition now in progress at the Royal Horticultural Hall, Westminster, London, S.W.1, is open until May 23. It is understood that the exhibits include a new British all-electric shaver.

Nationally Advertised.—Hough, Hoseason & Co., Ltd., Levenshulme, Manchester, 19, have booked a national and local advertising campaign for Zac gripe mixture, bonus terms for which are given on another page in this issue.

Supplies Restricted.—Domestos, Ltd., College Works, Newcastle-on-Tyne, state that supplies of Stergene cleanser are at present restricted. It is hoped increased stocks will be available before long. Pharmacists are invited to write to the company for trade terms.

Bonus Terms.—A leaflet giving details of bonus terms offered by Rodmill Chemical Co., Ltd., 49 St. Anne Street, Liverpool 3, in respect of their products Tick, Vet and Didit insect powders, Didit liquid insecticide, spray powder and fly papers, and Antu rat bait, is available on application to the company.

Floating Exhibition. — An exhibition which has been staged in the M.V. "St Merriel" is to tour South American ports. The vessel left London on April 30 and will reach Rio de Janeiro on May 26, afterwards visiting Santos, Montevideo, Bueno Aires and Rosario. Among the exhibitors are Milton Therapeutics Export, Ltd. (antiseptics) and Russell Constructions, Ltd (sifting machinery).

Shortages Follow Fuel Crisis.—Whiffen & Sons, Ltd., Carnwath Road, Fulham, London, S.W.6, state that caffeine and theobromine are among items in short supply, owing to the fuel emergency. They express regret for delays in meeting orders but give an assurance that everything possible is being done to overcome the difficulty. The company's 1947 price list of chemicals has now become available. Copies are available to visitors at the British Industries Fair, or direct.

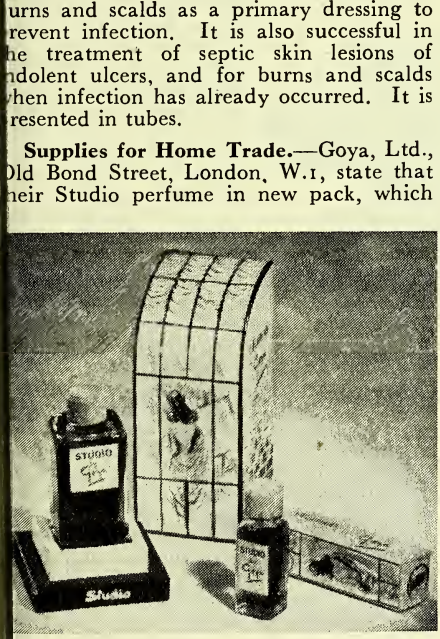
T.S.A. Licence.—Western Pharmaceuticals, Ltd., 42 Dongola Road, Bristol, 7, have been granted a Therapeutic Substances Act licence to manufacture parenteral injections and oil-wax suspensions of penicillin. The penicillin department will be under the direct supervision of Mr H. J. E. Graham, M.P.S. The company undertake to manufacture for pharmacists against individual prescription within twenty-five miles of Bristol. Telephone Bristol 43432; emergency service: 48310.

New Preparation of Senna.—Under the name Oralax, Hirst, Brooke & Hirst Ltd., Sheepscar Works, Leeds, 7, have introduced a new preparation of senna based upon a special process of vacuum extraction which has been devised by the company after several years' experimental work. The process is claimed to result in extracting the full anthraquinone content of senna, whilst eliminating any resinous by-products or griping principles. The

esult is a vegetable laxative without objec-ionable properties, which is presented as palatable syrup in 4-oz. bottles or as Oralax tablets in bottles of twenty-five.

Primary Burn Dressing.—Under the ame Sulphanilamide Tulle cream, Optrex, Ltd., Wadsworth Road, Perivale, Middlesex, offer an ointment prepared to he same formula as that used for the mulsion in sulphanilamide tulle which—btainable only on prescription—has been vailable for some time. Sulphanilamide ulle cream is indicated in the treatment of urns and scalds as a primary dressing to revent infection. It is also successful in he treatment of septic skin lesions of ndolent ulcers, and for burns and scalds hen infection has already occurred. It is resented in tubes.

Supplies for Home Trade.—Goya, Ltd., Old Bond Street, London, W.1, state that heir Studio perfume in new pack, which



as hitherto been available mostly to export uyers, is now becoming available on the ome market; and that the demand is eadily increasing. The perfume is pre-ented in bottles of three sizes, and in hand-ag miniature bottles.

Design Competition Results.—Judging f entries in a packaging competition ponsored by the Metal Box Co., Ltd., ee *C. & D.*, 1946.II.424) has recently een completed. The promoters state that e standard of design shown was not, on e whole, good, and the judges had to voke one of the conditions of entry, under hich they were empowered to withhold the hole or part of the prize money in any section. Cheques have been forwarded to the following prizewinners:—(1) *Professional Designers*: Messrs. Norman Carter, Desborough, nr. Kettering; F. Winch, Luton, Beds; R. J. Jackson, Addiscombe, Surrey; Bernard J. Gibbs, Worthing, Sussex; Leslie Shearer, Liverpool; L. Piatkowski, London, W.2, and Raymond Davids, Surbiton, Surrey. (2) *Non-professional Designers*: Messrs. D. C. Morton, Nuthall, Notts; F. C. Leach, Portadown, N.I.; M. Cameron Pollock, Steyning, Sussex; A. C. King, Oxford, and J. M. Moxley, Bournemouth.

Proprietary Articles Trade Association

Additions to Protected List.—*Thos. Christy & Co., Ltd.*, Per-De-Co., 1s. 6d., 12s. doz.; 2s. 6d., 20s. doz. (exempt from tax). Five per cent display discount on three dozen and over, either size or assorted.

Alterations.—*Allen & Hanburys, Ltd.*, Calcydic granules, 8-oz., 22s. doz., tax 3s. 8d. doz., inclusive doz., i.r.p. 5s. Calcydic tablets, 40's, 14s. 3d. doz., retail price 3s. 0½d.; 16-oz., 37s. doz., tax 6s. 2d. tax 2s. 4½d. doz., i.r.p. 1s. 11½d.; 100's, 26s. 6d. doz., tax 4s. 5d. doz., i.r.p. 3s. 7½d.

The Crookes Laboratories, Ltd., Glucose BD, 3s., 24s. doz. (exempt from tax).

D.D.D. Co., Ltd., D.D.D. toilet soap, 10s. 1d. doz., tax 3s. 4d. doz., i.r.p. 1s. 4½d.

Duncan, Flockhart & Co., Baumol toilet soap, 7s. 8d. doz., tax 2s. 6d. doz., i.r.p. 1s. 0½d. Now sold loose, not in boxes of three as formerly; bath size discontinued.

Prichard & Constance (Manufacturing), Ltd., Corrections to P.A.T.A. year-book: Amami cuticle remover, nail cleanser, and hand jelly, 5s. 7d. doz., tax 5s. 7d. doz., i.r.p. 1s. 2d.

A PHARMACIST'S ANTHOLOGY

VICHY was my real school; I pulled off there an honourable mention among the noises of the Springs, intestinal rumblings, festivals of gargling. . . . You can imagine that I feel at ease as soon as I set foot on the asphalt of one of these medical establishments. Haven't I frequented Baden-Baden and Bath? Have I not plunged into the pure waters of Lochs, bathed in the sewage of Dax? Have I submitted in vain to the gulps of Alavar and the drop by drop of Châtelguyon? Is it worth nothing that I drank mare's urine at Rosbeck, wearing a Tartar kaftan? And at Lamia took my ambrosial cure in a peplum? . . . Once two or three fundamental rules become clear you are *au courant* with so-called novelties, and the sweetmeats filled with miraculous water easily replace the pills made of mineral salts without your suffering any deprivation.

(From "The Night Watchman," by Noël Devaulx, translated by Betty Askwith.)

RECENT RESEARCH

Antibacterial Action of Staphylococcus.—205 strains of staphylococcus have been used in a survey by Jennings and Sharp ("Nature," January 25, p. 133) to investigate further the antibacterial activity of the group, an effect which was first noticed sixty years ago. The experiments were carried out on solid media using agar plates. These were inoculated with the staphylococcus by "streaking" across the diameter a loopful of broth culture. After incubation overnight, test organisms were streaked at right angles to the staphylococcal streak, and at both sides of it. After reincubation, antibacterial activity, if present, was shown as a symmetrical zone of inhibition in the growth of the test organisms on either side of the staphylococcal streak. A total of twenty-six active strains of staphylococcus was found.

Estimation of Aloin.—Stone and Furman, Princeton University, U.S.A. ("Analytical Chemistry," February, p. 105) recommend the polarographic method for estimating aloin in aloes. A known weight of aloes was extracted in hot aqueous ethyl alcohol, and the extract made up to a standard volume. 10 mils of the solution was mixed with 10 mils of acetate buffer, and the solution deærated with nitrogen. A polarogram was taken, and the wave height compared with a calibration curve obtained by examining a standard solution of aloin. The polarographic method is not recommended for estimating aloe-emodin, because of the extra steps involved in the procedure.

Titration of Streptomycin.—Difficulties experienced in titrating streptomycin in solution and in patients' serum are described by Fleming, May and Voureka ("British Medical Journal," May 10, p. 629). Considerable differences in end-point were found according to the type and dilution of culture medium used in the titration. The salt content is an important factor, saline solutions tending to inhibit streptomycin. Using a medium of glucose—phenol–red—serum water, inoculated against serial dilutions of a broth culture of Klebsiella 41, it was found that the titrations were sufficiently sensitive when the size of the inoculum was "considerable," but were irregular when small inocula were used. In anaerobic conditions certain organisms required a higher concentration of streptomycin to inhibit growth completely. An investigation into the distribution of streptomycin in blood showed that, after one hour, under experimental conditions, the bulk of the drug remained in the serum, while after six hours the streptomycin was equally distributed between serum and corpuscles.

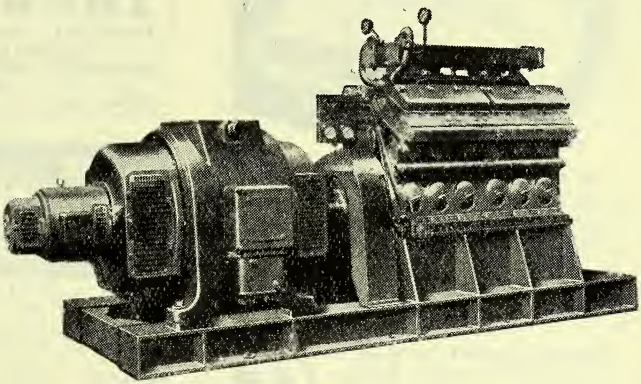
RURAL DISPENSING

At a recent meeting of the Warrington Chemists' Association, Mr. E. W. Twiss (secretary) introduced a discussion on the problem of providing a dispensing service for people living in rural areas which are not served by a pharmacy. Warrington, he said, was a typical average-sized manufacturing town with an insured population of 41,885. No doctors in the town did National Health Insurance dispensing, but in villages two or three miles away, a considerable amount was done by several doctors. The amount of rural dispensing would increase under the National Health Service. The problem was, how could pharmacists undertake such dispensing?

Several members stressed the great improvement that had taken place in public transport facilities since the principle of the distance limit had been laid down twenty-five years ago. Patients would not suffer any great inconvenience in having to go two or three miles to the nearest pharmacy. Mr. A. P. Peake, Earlestown, said he knew of patients who were already travelling two miles by bus from a doctor's surgery to the nearest pharmacy without complaining of any inconvenience. Mr. W. Glenton held that schemes for the collection of scripts and the delivery of medicines by chemists themselves were impracticable. When the transport services were nationalised the State might organise a collection and delivery scheme in the more remote districts. Mr. R. G. Bristow stated that some doctors, practising in villages only two miles from the town, had encouraged N.H.I. dispensing as an additional source of income. Many people in such villages travelled by bus into the town several times a week to visit the cinema; why not for medicine? An adequate rota for late dispensing should be maintained and chemists should arrange for dispensing urgent scripts in the same way that doctors arranged for attending urgent cases. The meeting adopted unanimously a resolution stating that the problem of dispensing under the National Health Service for rural districts near Warrington would be solved if the mile limit were abolished, provided that an adequate rota for a late dispensing service were provided, and members of the public were made familiar with the scheme.

DIESEL SETS AS INDUSTRIAL POWER UNITS

HIGH priority manufacture of diesel power units with and without electrical equipment is being sponsored by the Ministry of Supply with the aim of helping power users during the next three or four years. The Ministry has authorised the release of the material needed for a large programme to make available engines and electrical generators and switchgear at the earliest possible date, and manufacture is understood to be already well in hand. The installation of private power plants will save the imposition of peak loads on to public power supply, and will avoid night-shift work and the staggering of working hours. It will provide the means of saving the suggested one-third in current consumption required to reduce the risks of load-shedding, and in addition enable factories to carry on during cuts or total stoppages of the outside electricity supply. That such steps are necessary is evident from a recent report of the Central Electricity Board, which pointed out that load shedding on a greater scale and over longer periods than hitherto is inevitable during the next two or three years.



Paxman 12-cylinder V-type 270 kilowatt diesel-alternator set

Ease of Adaptation

In present conditions, private power plants can only be based on prime movers of diesel-engine type, a type which, however, is most readily adapted to industrial installations. If the engine is coupled to an electric generator, all or part of the factory electric load can be carried by it, whilst by coupling it directly to a compressor, a length of shafting, or a pump or other machine, an equivalent saving in electric current can be achieved. The adaptability of the diesel engine is enhanced by its compactness, by its press-button motor-car-type starting, by the easy, safe storage and handling of the fuel oil on which it runs, and by the self-contained nature of the diesel unit when fitted with radiator cooling.

The sizes of the diesel generating sets now being made are between 50 and 330 kilowatt voltage amps—sizes chosen after an analysis had been made of the requirements of many factories and of available engines. Adequate supplies of the diesel fuel oil on which to run the sets are being assured by the Ministry of Fuel and Power. In addition to affording relief to demands on the main generating stations and their inter-connecting network, the use of diesel sets will also result in a saving of many hundreds of thousands of tons of coal annually. In fact the thermal efficiency of the diesel engine, already high, can in some installations be further increased by the use of the waste heat in the exhaust gases and in the cooling water.

Prominent among manufacturers of diesel sets for private power generation are Davey, Paxman & Co., Ltd., Standard Ironworks, Colchester, one of whose units is illustrated on this page. The model shown is a 330 k.v.a. set with alternator and engine mounted on a welded steel bedplate. Switchgear is mounted in a separate cubicle on the floor. Smaller generating sets are available which may be erected complete with switchgear and radiator on a "skid"-type base to facilitate rapid installation and reduce foundation concrete to a minimum. They may be arranged for belt drive.

Manufacturers who wish to obtain further details of the scheme should apply to the Ministry of Supply, which is arranging to issue priority certificates for diesel generating sets to approved industries.

JOHN BELL'S
COLD CAPSULES

The RELIABILITY, RECOMMENDATIONS and ADVERTISING contribute to the increasing demand for this popular and effective Medicine.

★ ★ ★

New and Attractive SHOW CARDS available on request.

JOHN BELL, HILLS & LUCAS, LTD.
Oxford Wks., Worsley Bridge Rd., London, S.E.26

BURROUGH'S S.V.R.
60 gallons or less in 6 months requires no Control Licence.
James Burrough Ltd., 1 Cale Distillery, London, S.E.11

TRAGACANTH
SPECIALISTS IN B.P. POWDER
SAMPLES AND PRICES ON REQUEST
FREUDENTHEIL, SMITH & CO., 16 Philpot Lane. London, E.C.3.
MANsion House 1924 & 6600. Estd. 1826

BETTER Advertising & MARKETING

40 years' success with proprietary lines of national and international fame enable us to offer our clients many solid advantages. Our advertising sells goods at the lowest on-cost.
STUART HIRST, LTD.
Survey House, 15 Bond Street, Leeds, 1

ESTABLISHED 1793
ATKINSON & BARKER'S INFANTS' PRESERVATIVE
The Best and Safest Infants' Medicine of 150 years' standing
Does not contain any Scheduled Poison
ROBERT BARKER & SON, LTD.
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Metaldehyde
BRITISH MADE
SAFE SOLID FUEL
SLUG & SNAIL KILLER
IN PACKETS, 1/3, 2/4, 5/6
Obtainable from Chemists, Ironmongers & Seedsmen
Sole Concessionaires for the U.K. and Eire
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CONFIDENT that we can be of service to you we invite enquiries for
PROPRIETARY ARTICLES
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DRUGGISTS' SUNDRIES
DRESSINGS
N. & M. GOULD, LTD.
62, 64, 66 STONEY LANE
LONDON, E.C.3
BISHOPSGATE 7734, 5355

STANNOXYL
The original preparation of tin and tin oxide for the treatment of Boils
TABLETS—TUBES OF 80
THE ANGLO-FRENCH DRUG CO., LTD., LONDON, W.C.1

INFORMATION WANTED

Information with respect to suppliers of the following items would be appreciated:

Dublastic elastic hosiery.
Symballaphone.
Duponal.
Methocele.

THE
CHEMIST AND DRUGGIST
ESTABLISHED 1859
For RETAILER—WHOLESALER—MANUFACTURER
Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries
Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CXLVII MAY 17, 1947 NO. 3508

" Conclusions " on Trade in Proprietaries

We publish in this week's issue the " Conclusion " of a report on the advertising and sale of proprietary medicines with the " accompanying letter " submitted by the Pharmaceutical Society of Great Britain to the Minister of Health on February 14 and released to the Press this week. The report consisting of forty-eight foolscap pages, is, we are advised, a strictly confidential document and is not available for publication. We understand that it was compiled by " officials of the Society." It was adopted by the Council at their February meeting (*C. & D.*, February 15, p. 221, where it was referred to as " setting forth the Society's policy with regard to proprietary medicines "). Members of the Society will consider it, we think, more than curious that a report on a subject of the first importance should have been compiled by officials of the Society and adopted by the Council, apparently without discussion, and certainly without prior consideration by an *ad hoc* or even one of the Council Committees, especially as it was then submitted to Whitehall as " the Society's policy " on the subject. Were the officials of the Society instructed to undertake the work, and if so by whom? Has the report been discussed with Branches of the Society? If not, the most that can be claimed for it is that it is the Council's policy and not the Society's.

The references to the trade in the sixteen points, which we assume summarise the report, are, in many instances, phrased in extravagant language, such as the framers of the report condemn in regard to the advertising of proprietary medicines. Take for example, No. 1, " Proprietary medicines are advertised in terms of the grossest exaggeration advancing claims which are frequently fraudulent." Not " some," not " a few," not even " many," but the whole trade is indicted! Moreover, the heavy attempts at facetiousness, such as " the advertisers' claims are frequently so fantastic that one would not be surprised to find them offering secure jobs and large salaries into the bargain," are surely not best calculated to persuade the Minister to treat the report as a serious document.

Recommendations Examined

Some of the recommendations, of course, will secure general approval—for instance, the objection to prescribing by post (No. 8) and to advertisements and pamphlets publicising sexual tonics (No. 9). The complaint made in No. 4 that sales of many products are fostered by " creating an atmosphere of fear " seems to us to lead nowhere. Certain factual grounds (e.g., misleading statements) are suggested as calling for the suppression of advertisements but the border-line between statement and suggestion is so wide as to cause the collapse of any attempted control. If " the advertising of proprietary medicines undermines public confidence " (No. 7) in a State medical service why stop at censoring? A " censored " advertisement must undermine public confidence just as much as an " uncensored " one. On the subject of excessive prices charged (No. 10), would the proposed Committee have price-fixing powers, or who is to say when a price is fair or excessive? If it is true today that preparations are compounded " in a manner and of such substances as to defy analysis " (No. 14) the same thing would apply under any system of control. One dogmatic statement, namely, that the advertising of proprietaries " derogates from the principle of the freedom of the Press " (No. 15) should certainly be withdrawn unless examples are given in the report itself. Reference to excessive advertising (No. 16) suggests some form of restriction on advertisements. How could this be effected? By rationing advertising space and permitting manufacturers to

publicise their goods at intervals in specific sections of the Press? It is further stated that the disclosure of composition "has done little to effect either the claims made by advertisers or the demand of the public." Why should it if the composition of the proprietary is satisfactory?

The Accompanying Letter

The scheme outlined for the control of sales and advertising of proprietary medicines and the proposals made for its operation leave no room for doubt that the Council of the Society claims to speak with full authority on the subject, and has decided that the Society is the proper body to be given Statutory authority to operate the proposed control of the trade in proprietary medicines. Such claims may well be disputed in other quarters. To us it seems rather like an attempt to establish a new vested interest for the Society and its inspectors and officials.

There are on the fringe of the proprietary medicine trade instances of marketing and publicity that discredit an otherwise well conducted and useful trade. These black sheep, a small minority, are in no way representative of the trade. Legitimate manufacturers will welcome and support appropriate action to control any mischievous activities. In fact, through the medium of the Chemists' Federation, the trade has its own standards of control relating to quality, methods of advertising and selling, and claims made for proprietary preparations. The primary object of C.F. "Standards" is the protection of the public interest. Before the Government decides to promote legislation to control the sale and advertising of proprietary medicines it may profitably study not only the Society's report but the methods of the Chemists Federation, a body which is not mentioned in either the "conclusions" or the letter to the Minister. We wonder why.

Not "Reasonably Calculated"

An outsize in bulldozers rather than the proverbial coach-and-four seems at a first glance to have been driven through a section of the Pharmacy and Poisons Act, 1933, by the Lord Chief Justice (Lord Goddard) in a recent pronouncement. He was dismissing an appeal brought by the Pharmaceutical Society (see *C. & D.*, May 3, p 485) against a finding of the Pocklington Yorks, magistrates, in October 1946, tha the title "chemist" was not being unlawfully used on certain premises by a membe of the Society in the circumstances of th case as given in court.

It is generally accepted in pharmaceutical circles that one intention of the Hous of Commons in passing the 1933 Act was t prevent a pharmacist engaged in busines as an authorised seller of poisons fron simultaneously conducting another busines elsewhere in such a way that it is capabl of being regarded by the public as a phar macy. In the Pocklington prosecution th pharmacist was the proprietor of a chain o pharmacies and also of a shop which, fo want of a qualified assistant, was being con ducted temporarily as a drug store. Th title "Spinks the Chemists" remained ove the facia, but a card placed in the window stated that, owing to war circumstances there was no qualified assistant in charg of the shop, and that no medicines coul be dispensed. Two facts, therefore, were not in doubt:— (i) That the business at the Pocklington premises was being conducted as a drug store; (ii) that the word "chemist" was being used in connection with it.

Action was brought by the Pharmaceutical Society against the proprietor under Section 3 (2) of the Pharmacy and Poisons Act, 1933. The section is in the following terms:—

> "It shall not be lawful for a person to use in connection with any business any title emblem or description reasonably calculated to suggest that he or anyone employed in the business possesses any qualification with respect to the selling dispensing or compounding of drugs or poisons other than the qualification which he in fact possesses."

The magistrates found that the use of the word "chemist," was not, in the circumstances described, "reasonably calculated to suggest" that a pharmacy was being conducted at the premises, and in the King's Bench Division recently, the Lord Chief Justice, with the full concurrence of two supporting judges, confirmed their finding,

nough for somewhat different reasons. Thus it is legally possible, under the ection of the 1933 Act under which the harge was brought, for a registered pharnacist to conduct a series of businesses, ome as pharmacies, others as drug stores. f, at the latter, he indicates that he is a harmacist he is not, by that means, sugesting that he possesses any qualification ther than that which he in fact possesses.

It is difficult to see how any other ecision could have been arrived at on the ording of the clause. Let no pharmacist, owever, imagine that the ruling opens up ossibilities of running drug-stores ostensbly as pharmacies with unqualified taffs. It does not. If it does anything, it oses the conundrum why the Society, hen it felt compelled to take action, hould proceed under a clause of the Pharnacy and Poisons Act, 1933, when the oint is specifically dealt with under a later ct, the Pharmacy and Medicines Act, 941, which states (Clause 1 (i) (e)):—

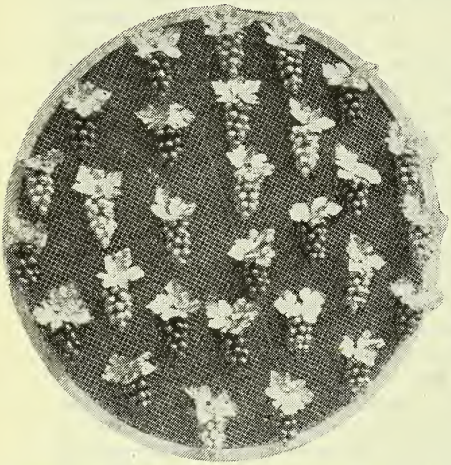
> "Subject to the provisions of this section, none of the following titles, descriptions or emblems must be used in connection with the business carried on at the premises [i.e. premises at which no poisons included in Part 1 of the Poisons List are sold], namely—(i) the title of "member of the Pharmaceutical Society," "pharmaceutical chemist," "pharmaceutist," "pharmacist," "chemist" or "druggist."

Nothing, surely, could be more specific. he speculation is bound to arise in the inds of other pharmacists why the case as not brought under that clause, but we o not pretend to know the answer. Had he case been so brought, it is hard to uppose that it could have been successfully defended, and the Society, by basing ts prosecution elsewhere, seems to have invited the reverse which it has suffered in osing both case and appeal.

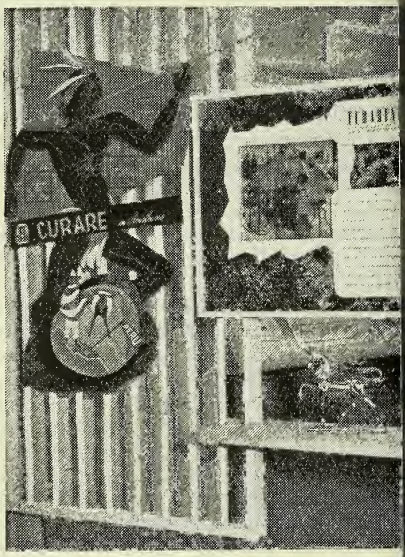
It may be that there was some reluctance o risk raising questions (under clause (a) of the Section) of the legality of a practice anctioned by common sense but never regularised by legislation—namely the conversion to a drug store, as an emergency neasure, of a pharmacy for which no qualified manager can be found. To be strictly legal, such conversions would involve, where they remained under the same proprietorship as registered premises, introduction and sale of non-pharmaceutical merchandise in quantities that would reduce sales of drugs, medical and surgical appliances below "a substantial part of the business"—an obviously impracticable transformation. Whether or not this was in the minds of the prosecution, the proceedings as taken have served, in our view, no useful purpose, for, as we have endeavoured to show, the finding of the King's Bench judges establishes little and clarifies nothing that was not already clear. No public interest has been served by bringing the action, and problems of legal niceties arising from conversion of pharmacies into drug stores could very well be left to solve themselves as conditions make possible and/or necessary their reconversion into pharmacies. This is not the first occasion on which the Society has tended to topple over backwards in demonstrating that, as a prosecuting body, its regard for the letter of the law was greater than its interest, as a professional body, in the welfare of its members. The chemist against whom proceedings were taken has rightly been held by the courts to have acted reasonably in acquainting his customers that he could not dispense medicines at the Pocklington premises. The Society alone seems to have allowed legalities to have triumphed over common sense, and we hope the failure of its appeal on this occasion will have the salutary effect of preventing similar proceedings in future. Are there not enough law-breakers to pursue without harassing members whose only fault is that they are victims of a current shortage of pharmacists?

A German Fire-extinguisher.—Chlorobromomethane, a fire-extinguishing agent developed in Germany during 1939-45 war, has the advantages over carbon tetrachloride and similar substances, it is claimed, of being non-toxic in use, having a higher boiling point, and being quicker in action. The substance (known as "CB") is produced by the action of bromine on methylene chloride. Details of the manufacturing process are the subject of a recently published F.I.A.T. report (Final Report No. 972, H.M. Stationery Office).

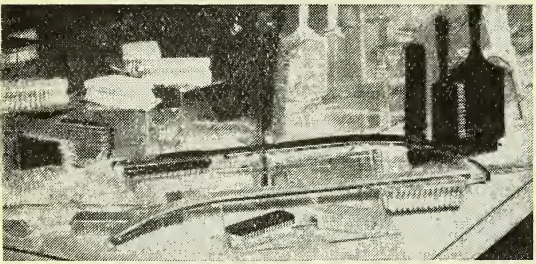
B•I•F A CAMERAMAN W



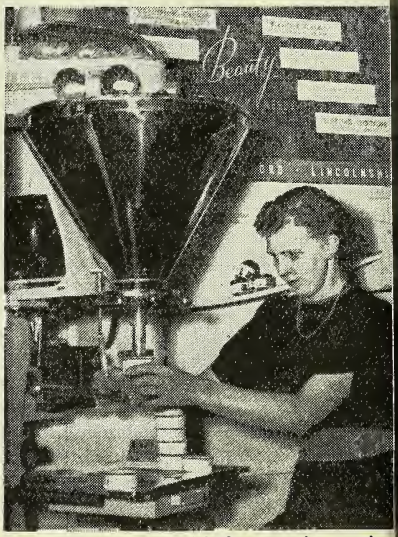
" Grape vine " at the stand of Jean Sorelle, Ltd. The bunches of grapes contain Bath salts

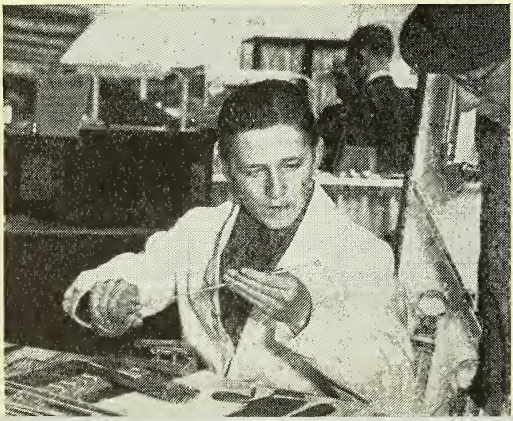


Arrow poison display at the stand of Burro come & Co. to draw attention to the Tubarine brand d-tubocurarine chloride



Back, hair and nailbrushes forming part of an extensive display by Universal Brush Co., Ltd.





Above: Filling drums with face powder at the of Fenners Cosmetics, Alford, Lincs

At left: Examining thermometer tubing at the of G. H. Zeal & Son, Ltd.

The
CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MAY 17 1947

revailing restrictions and heavy demand on space necessitate the holding over of a number of ivertisements week by week. As normal press days are in abeyance advertisers are advised to send structions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

SITUATIONS OPEN

for 40 words or less, 2d. for every additional word

RETAIL (HOME)

OLTON. Qualified branch manager required for suburban pharmacy. Living accommodation ilable. Applications giving full particulars to /819, C. & D. Office.

IRMINGHAM. Capable qualified branch manager required for busy family and dispens- business. Permanent post. Apply by letter giving particulars to 172/813, C. & D. Office.

URTON - ON - TRENT. Qualified branch manager required for good class family dispens- business. The post is a permanent one. Good ry. Applications giving full particulars to /821, C. & D. Office.

ENTRAL London. Qualified chemist required for shop near Tube station. Excellent and pro- ssive salary to right applicant. 170/735, C. & Office.

HEMIST, Birmingham, qualified assistant re- quired for dispensing, lady or gent. Permanent t. Reply giving age, experience and salary to ney H. Blunt, Ltd., 106 Bordesley Green, mingham, 9.

ONCASTER. Qualified branch manager re- quired for family and dispensing business. Living ommodation available. Apply by letter, giving l particulars to 172/812, C. & D. Office.

UERNSEY, Channel Islands, Qualified wanted. Congenial post, easy hours. Interview can be anged London, 12th to 24th May. Write, stat- age, salary etc., to C. Stonelake & Co., ernsey.

ALIFAX. Qualified branch manager required for suburban pharmacy. Living accommodation ailable. Apply by letter giving full particulars of perience, etc., to 172/814, C. & D. Office.

ARROGATE. Qualified branch manager re- quired for family and dispensing business. plications giving full particulars of experience, e, etc., to 172/818, C. & D. Office.

OLLOWAY, N. Manager required for busy main road pharmacy, energetic, experienced, ed to N.H.I. Living accommodation available. od salary. Write 169/702, C. & D. Office.

EEDS. Qualified branch manager required for family dispensing business. Applications should ve full particulars of experience to 172/817, C. & Office.

ANCHESTER. Capable qualified branch manager required for good class suburban armacy. Living accommodation available. Full rticulars in first letter to 172/815, C. & D. Office.

ANCHESTER. Qualified assistant required for good middle-class business. Easy hours. Per- anent position. Please state age, experience and lary required. 171/775, C. & D. Office.

NEAR Durham. A qualified branch manager or manageress required for family dispensing business. Applications giving full particulars to 172/820, C. & D. Office.

NEWCASTLE. Qualified branch manager required for family and dispensing business. Applications giving full particulars to 172/816, C. & D. Office.

NORTH London. Pharmacist required to manage good class family business in Enfield district. Scope for development. Good salary offered to competent man. No living accommodation. Write 169/703, C. & D. Office.

PORTSEA Island Co-operative Chemists, Ltd., requires qualified pharmacy branch manager. Permanency, excellent prospects, superannuation fund and T.U. conditions. Applications in writing stating age, qualifications and experience and salary required, to the Executive Officer, 110 Fratton Road, Portsmouth. Endorse envelopes "Pharmacist."

QUALIFIED manager wanted for Ealing suburban pharmacy. Moderate hours. State age, experience, salary required. BM/VIC, W.C.1.

QUALIFIED assistant, also unqualified (male) for dispensing in West End store. Hours 8.45 a.m. to 5.30 p.m. Saturday 1.0 p.m. Write giving full particulars to Box No. 732, Sells, Ltd., Brettenham House, Strand, W.C.2.

QUALIFIED lady assistant required for high class business in a very pleasant Cheshire suburb. Application welcome from a married lady for part-time work. 172/807, C. & D. Office.

QUALIFIED required for S.W. London. Medium class family business. Unfurnished flat available. Write, fullest particulars to 172/802, C. & D. Office.

SECOND dispenser, book-keeper required. Hall certificate. Firm of doctors, Midlands. State age, experience and salary required. 171/778, C. & D. Office.

THE Royal Arsenal Co-operative Chemists, Ltd., require unqualified assistants. Permanent positions. Superannuation scheme in operation. Apply in writing, stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

TIMOTHY Whites & Taylors have vacancies for unqualified dispensing assistants, male or female, for branches in London and throughout the South of England. Excellent opportunities for assistants with sound experience. Good salaries, good prospects, permanencies. Full particulars to Retail Staff Dept., Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, London, S.W.1.

TOTTENHAM, N.15. Pharmacist required to manage busy branch with brisk N.H.I. and counter. Good salary to experienced man. Small flat available, adequate staff. Write 169/700, C. & D. Office.

UNQUALIFIED assistant, experienced dispensing and counter. London. Apply Lewis & Burrows, Ltd., 146 Holborn, E.C.1.

VICTORIA, S.W.1. Branch manager required for working-class pharmacy, within 10 minutes of Victoria Street. Permanent appointment. Good salary. Saturday half day. Write 169/701, C. & D. Office.

WANTED. Qualified pharmacist to take charge of branch. Housing accommodation available. Good prospects, good wages and conditions, superannuation scheme in operation. Apply to Sheerness Co-operative Society, Ltd., 100 High Street, Sheerness, Kent.

WANTED. Capable unqualified assistant. This is an excellent opportunity to gain experience. Please send all particulars, with photo and references, and salary required, Lansdale & Co., Queen Square, High Wycombe.

YOUNG lady, unqualified, for South Kensington pharmacy. Apply "S", 170/738, C. & D. Office.

LOCUMS WANTED

PHARMACISTS-Locums, qualified. Male or female urgently required for locum work in Scotland. Apply by letter giving dates when free and terms to The Technical Supervisor, Scottish Co-operative Wholesale Society, Ltd., Retail Drug Department, 187 Bogmoor Road, Shieldhall, Glasgow, S.W.1.

WHOLESALE

ASSISTANT works chemist wanted in old established manufacturers of toilet preparations. Experience of emulsification, essential oils and synthetics, compound blending and general works practice. Not less than Inter. B.Sc. standard or equivalent. Good conditions. Five-day week. Write giving full details to 173/828, C. & D. Office.

ASSISTANT required for routine analysis of pharmaceuticals in the analytical laboratory of C. R. Harker, Stagg & Morgan, Ltd., Emmott Street, London, E.1. Apply stating experience and wages required.

CHEMIST, experienced in making first-quality cosmetics and perfumes, required by manufacturers at Brentwood, Essex. Commencing salary £750 per year, rising to £1,000 per year after 12 months if satisfactory. Send details, age, experience, qualifications, etc., 168/672, C. & D. Office.

COSMETIC chemist, well known firm, London area, require chemist experienced in wide range toilet articles, to take charge new product research. Good salary, permanent post and really first class prospects for energtic man. State posts held and present salary in confidence. Mark envelopes "Managing Director," 172/806, C. & D. Office.

EXPERIENCED representative required having connections with retail drapers and chemists for good repeating line. Liberal commission and drawing account. Write giving details, age, experience, lines carried, territory covered, etc. Box No. 241, Potters Advertising Offices, Aldwych House, Aldwych, E.C.2.

LONDON agent required for chemists only. If you don't like hard work and are not willing to start on the ground floor and work up to good future, please do not apply. If, however, you are young, ambitious, with good knowledge of trade and would like to start with young progressive firm of twelve years' standing, apply to 173/839, C. & D. Office. Another commission not objected to.

MEDICAL representatives are required for the following territorities:— London, Midlands, Scotland. Applicants must give full particulars, including age, experience and salary expected, to 169/712, C. & D. Office.

PROCESS worker for small factory in Brentford. Good prospects. State age and salary required. 172/805, C. & D. Office.

PILL-maker required for old established firm N.W. London, to understudy foreman, short retiring. Good opportunity for energetic man wi ability and suitable experience. Five-day wee Apply stating age, experience and salary require 173/831, C. & D. Office.

QUALIFIED or unqualified young man, expe enced cosmetics. Must be keen worker. F details to Lorimer-Marshall, Ltd., Cold Blow, N Cross, London, S.E.14.

QUALIFIED works chemist (either sex) requir by well-known firm N.W. London. Knowled of bacteriological work and ampoule production advantage. Write, with full details of experien and salary required, to 165/554, C. & D. Office.

REPRESENTATIVES required. Calling up chemists, hairdressers, drapers, etc., to car additional lines. Kay-Cee Distributors, 33 Aldga High Street, London, E.C.1.

REPRESENTATIVE required. Good connecti with chemists in the Eastern Counties. Co mission basis. State lines carried. 172/811, C. & Office.

REPRESENTATIVE calling on wholesalers wi good connections willing to carry two or thr additional lines on a generous commission basis f all parts of the United Kingdom, Northern Irela and Channel Islands, wanted by London manuf turers. 173/832, C. & D. Office.

REPRESENTATIVE required for the sale DDT products in London, Birmingham, Gl gow and Edinburgh on commission basis. Excelle selling lines. Apply with full particulars by let only, to A Company, 30 Redbourne Avenu Finchley, London, N.3.

REPRESENTATIVES required in many parts the country to handle pain-relieving and me cated tablets to the chemists, grocers, trades, et on a generous commission basis. Only those wi first class connections should apply in the fi instance, stating territory and lines already handle to 173/838, C. & D. Office.

REPRESENTATIVE for attractive range of c metics for Scotland, North of England, a Midlands. Applicants must have good connectio with the better-class chemists, hairdressers a stores. Generous commission basis offered to fir class salesmen with a good knowledge of the trad Please give particulars of other lines carried, 168/676, C. & D. Office.

REPRESENTATIVES required by wholesale d tributors of cosmetics and perfumery on follo ing territorities. South and South-eastern and Hor Counties, Yorkshire, Lancashire, Cheshire, a North and South Wales. Must have good conne tion amongst chemists, hairdressers and stor Liberal commission offered. Apply 170/720, C. D. Office.

SURGICAL instrument packers required wi knowledge of trade. Excellent terms. Write first instance to J.B., 173/847, C. & D. Office.

WHOLESALE seeds house wants salaried rep sentative for South Coast area. State expe ence and salary required. 169/699, C. & D. Offic

YOUNG lady (unqualified) required by a sm but well established North London firm supervise manufacture and packing of medical p parations. Write giving particulars of age, e perience, training and salary required. 172/78 C. & D. Office.

YOUNG pharmacist (male) required for offi duties in connection with technical intelligen service. Only registered pharmacists considere Newly qualified candidates suitable but experience large hospital dispensary advantageous. Permane appointment with opportunity of increasing respon bility. Applications should be made in writing Personnel Officer, May & Baker, Ltd., Dagenha Essex.

of G. H. Zeal & Son, Ltd.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

S.W. London or Surrey. Married pharmacist, varied experience, free shortly, requires post with unfurnished accommodation. Interest and/or succession considered. 173/843, C. & D. Office.

YOUNG South African wishes to serve his apprenticeship with British pharmacy. Offers of vacancies will be greatly appreciated by Mr. E. B. Mendel, Zevenaar, Avenue St. Louis, Sea Point, Cape Town.

LOCUMS SEEKING ENGAGEMENTS

PHARMACIST, 40, disposed of own business, free now, desires locum engagements. Full charge, anywhere, but London area to South coast preferred, as home in area. Terms to 173/834, C. & D. Office.

WHOLESALE

AMBITIOUS representative having live connection in areas London South of Thames, Surrey, Kent, desires position with house of repute. Car owner. Salary, commission, expenses required. 172/808, C. & D. Office.

MANUFACTURING chemist, advertiser aged 35, with ten years' executive experience and an expert and practical knowledge of the manufacture of soaps, polishes and all household requisites, desires to contact principals of concerns where expert knowledge and proved organising ability would be appreciated. Address, Box S.273, Lee & Nightingale, Liverpool.

PACKING, dispatch, home and export, goods receiving, stores, etc., staff control both sexes. Long experience. Excellent references. 173/835, C. & D. Office.

PHARMACIST, married, desires sales post with established house. Useful and valuable contacts with doctors, chemists, hospitals and stores in North-west Counties and Yorkshire. References. 172/792, C. & D. Office.

QUALIFIED (32), with good factory and laboratory experience, willing and with ideas, requires position with prospects, London only. 173/829, C. & D. Office.

QUALIFIED sales manager, capable, keen and energetic, seeks responsible appointment with firm of repute. Sound, all round experience. 171/787, C. & D. Office.

REPRESENTATIVE with car, 25 years' experience, excellent connection with chemists in Dorset, Wiltshire, Hampshire and Sussex, would be pleased to hear from reputable manufacturers interested in live representation in these counties. H. Vockins, Wroxhall, Roseland Gardens, Southampton.

REPRESENTATIVE with first-class connection S. London, Kent, Surrey, Sussex, wishes to contact good-class firm; part or whole-time representation. 171/785, C. & D. Office.

SALES representative for Yorkshire (ex Beecham's Trust), well known to all wholesale and retail chemists and departmental stores throughout the whole county, is now considering acting on own account as manufacturers' agent, and would welcome proposals from manufacturing firms desiring capable and genuine representation. Own car. 173/845, C. & D. Office.

SALES manager, qualified, first-class experience and records, successful turnover increase, seeks post with responsible firm. Aptitude for finding good travellers and training them. Advertising experience at high level. 170/727, C. & D. Office.

YOUNG gentleman seeks appointment as representative to firm of repute. Preferably Yorkshire, or would go anywhere. Keen, smart, willing, plenty of sales ability. Conversant with medicine, perfumery, photographic. Commence immediately. 169/713, C & D. Office.

APPOINTMENTS

ASSISTANT required in pharmaceutical department with manufacturing experience of tablets and galenicals. 40-hour week. Salary £286 p.a. Apply in writing with full details of experience to The House Governor, General Hospital, Birmingham 4.

CITY OF MANCHESTER, HEALTH DEPARTMENT, CRUMPSALL AND BOOTH HALL HOSPITALS

LOCUM TENENS ASSISTANT PHARMACISTS (male or female) required. Crumpsall Hospital, one required, June to September, 1947, for holiday duty. Applications to be addressed to Crumpsall Hospital, Manchester 8. Booth Hall Hospital, one required, at present for four to six weeks owing to illness (offers of part time help would be considered). Applications to be addressed to Medical Superintendent, Booth Hall Hospital, Blackley, Manchester 9. Salary in each instance will be at the rate of £400 per annum for full time and 5s. per hour for part time. Applications stating age, qualifications and experience to be addressed to the Medical Superintendent concerned as soon as possible.

KING'S COLLEGE HOSPITAL, DENMARK HILL, S.E.5

ASSISTANT PHARMACIST required. Salary in accordance with the J.N.C. revised scale. Federated superannuation scheme in force. Also required; Locum Tenens ASSISTANT PHARMACIST for 14 weeks from June 23, 1947. Salary 8 guineas per week. Applications, with details of experience should be sent to The Pharmacist at the above address.

AGENCIES

12/6 for 36 words or less, 3d. for every additional word

AGENTS wanted with good connections amongst wholesale sundriesmen and wholesale chemists, for good selling line. Replies to 173/823, C. & D. Office.

AGENT with chemists' connection required to carry as an additional line small cosmetic bottles. Write full particulars first application as to territory, etc., to 172/804, C. & D. Office.

EXPORT markets. Established company with several well advertised toilet products is anxious to extend further its export trade. Keen, able concern, prepared to handle on an exclusive agency basis preferred. Replies in confidence, stating market concerned. 168/682, C. & D. Office.

GOOD agency for well packed lines for good salesman carrying one other agency, chemists only, Birmingham and Midlands. Many live accounts open. 173/840, C. & D. Office.

OLD Egyptian firm established 1929 specialised in pharmaceuticals, syringes, hypodermic needles, thermometers, hospital appliances, rubber goods (surgical gloves), surgicals, perfumes, essences, cosmetics, liquors, desire to contact serious manufacturers of these preparations for representation in Egypt. 173/836, C. & D. Office.

SMALL wholesalers invited to carry well-known nationally-advertised quality product sold by chemists, etc. Big discounts and turnover. Write, stating territory covered to 169/698. C. & D. Office.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 3d. for every additional word

SURPLUS Stock. Bottles available direct from London agents, due to increased production. Good delivery or most sizes including various types of ½-oz. Full details of requirements including quantities to 173/833, C. & D. Office.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word

EAST London. Business for sale. Cosmetics, toilet and drugs. Main road. Excellent saleable stock and quotas ex first class suppliers. Six years' lease. Price including stock, £1,000. Box No. 9, Arthur J. Owen, Ltd., 136 High Holborn, W.C.2.

FOR sale. Drug store, toilet, fancy goods business in popular Cornish holiday resort. Suitable conversion chemists. Living accommodation, freehold property, immediate possession. 173/830, C. & D. Office.

MANCHESTER. Drug store (old established chemists), corner shop. Rent £52 p.a., clear turnover £2,000 p.a. without N.H.I. Great scope for increase. Goodwill, fixtures, fittings, £1,000, S.a.v., round £1,000. Present hands 27 years. Retiring. 173/846, C. & D. Office.

POPULAR East Coast resort, prosperous and easily run pharmacy. N.p. £2,000. Possession early 1948. Price £12,000 (includes valuable freehold house and shop). S. and f. at valuation. Further details against bankers' references. 172/810, C. & D. Office.

RETAIL chemists, Liverpool. Beautifully fitted. Fixtures and goodwill £900. Stock (approx. £500) at valuation. 173/842, C. & D. Office.

WANTED

7/6 for 36 words or less, 2d. for every additional word

BOTTLES wanted. 26-oz. cordial or wine type, and ½ and 1-oz. essence bottles. Please quote for small or large quantities, to A. E. Bevan, Ltd., 20A Hall Street, Southport, Lancs.

REQUIRED. Nail varnish caps, 14 m.m. size, with brushes, for 3-dram bottles, also coloured plastic caps for toilet and perfume bottles, various sizes. S.P. Co., 110B High Street, King's Lynn.

SACCHARIN tablets urgently required, any quantity (millions) by Eire importers who can import from any country. Foreign exporters, manufacturers and agents, etc., please reply. State other items for sale immediately to 173/841, C. & D. Office.

SACCHARIN Tablets. Pharmacist, proprietor of a good-class single pharmacy, would be glad to obtain regular supplies of standard strength saccharin tablets in bulk or packed. Write in strictest confidence to 166/605, C. & D. Office.

UP to 30 cwts. titanium oxide 98/100 per cent. Please submit sample. Lowest price delivered London. A. J. Rippin, Ltd., 22 Upper Ground London, S.E.1.

WANTED. Ethyl vanillin by reputable manufacturing chemist. Any quantity for prompt cash. Write confidentially to 173/844, C. & D. Office.

WANTED. 8 oz. bottles, medicals. Up to 1,000 gross in large or small deliveries. 173/826, C. & D. Office.

WANTED. Machine for sifting and blending dry powders; Gardner's make preferred; full particulars to 171/769, C. & D. Office.

WE wish offers direct from factories for bisulphate of potassium, sodium sulphate, caustic potassium, lactic acid, tannic acid (light colour), and all other kinds of chemicals for glass fabrication, preparation of wool, dyeing textiles and leather, and tanning. Pérez e Hijo, Soriano 1328, Montevideo, Uruguay.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

ABOUT 50 gross 2-oz. screw cap, good quality flint glass pomade jars at 36s. gross. Sample 6d. Robert Davies, Chemist, Bromyard.

COMPLETE stock and mahogany fixtures, show cases, etc., of chemist's shop, approx. £450. Apply E. Wall, Drug Store, 14 Clifton Street, Stourbridge, Worcs. 'Phone Stourbridge 57445.

FOR disposal. A number of shop rounds, wide and narrow mouthed. 8 oz. and 16 oz. Also blue ointment jars. Apply Hardwicke, 4 Corn Hill, Bury St. Edmunds.

OIL. Surplus. Pool grade 30, white odourless, in 45-gallon drums. Verva, Ltd., High Path, Merton, S.W.19.

ONE copper steam jacketed boiling pan on tipping stand, approximately 15 gallons capacity, £19. The following 480 volt D.C. motors: One 15 h.p., 900 r.p.m., with starter, £39; one 10 h.p., 1,450 r.p.m., with starter, £32; one 7.5 h.p., 1,220 r.p.m., with starter, £29; three ¾ h.p., 1,400 r.p.m., with starters, £9 17s. 6d. each. The following 240 volt D.C. motors without starters: One 1 h.p. 1,100 r.p.m., £12; one 1 h.p., 700 r.p.m., £12; one 1 h.p., 550 r.p.m., £13; one 3 h.p., 110 volt, D.C. motor, 1,200/1,800 r.p.m., with starter, £21. Frogley, 871 High Road, N.12. Hillside 4474.

SEVEN gross 3½ in. chromium-plated tweezers for sale, also 14½ gross Pepsin tooth paste. Offers to 173/822, C. & D. Office.

STOCKS to clear. ½ ton gammexane dust D.03. 40 gross 6-oz. slip on lid, tins, 4½ in. diameter x 1 in., 5-gallon drums mineral oil, ½ ton Egyptian henna in small lots or in quantity. L.L.N., Albermarle House, Anlaby Road, Hull.

SURPLUS stock for sale. 7 cwt. lactose B.P. 1 cwt. terpinyl acetate. Few cwts. aspirin gran. B.P. lactose food grade. 173/848, C. & D. Office.

TERPINEOL, chemically pure, one 40-gal. drum available. Immediate delivery. 4s. 6d. lb carriage paid. N. F. Hollyoak, Ltd., 27 Birmingham Street, Oldbury, Birmingham.

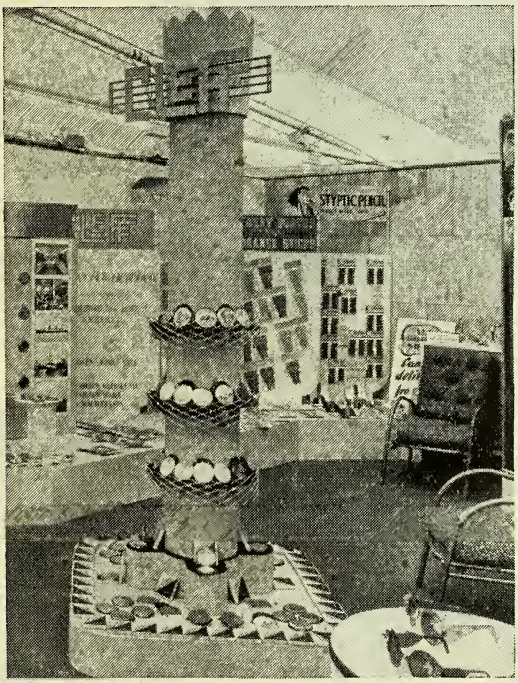
50 GROSS 1-oz. flats with bakelite cap available for immediate delivery. H.S. Bottle Co., Ltd. 15A Whitcomb Street, Pall Mall East, London W.C.2.

50 GROSS 1 oz. fancy bottles with bakelite caps At 33s. per gross. 172/809, C. & D. Office.

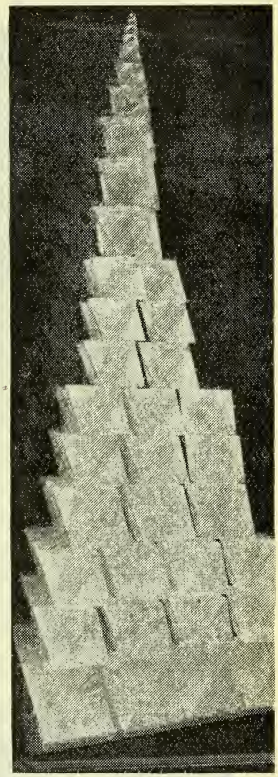
Printed by THE HAYCOCK PRESS, LTD., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2. (61/3

of G. H. Zeal & Son, Ltd.

TS THE STANDS



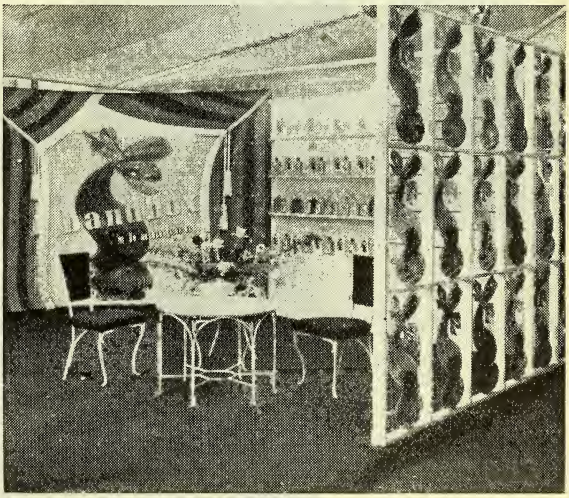
Display of Cleff flapjacks and other items on the stand of Alfred Franks & Bartlett Co., Ltd.



Pyramid of alum crystals at the stand of Peter Spence & Sons, Ltd.

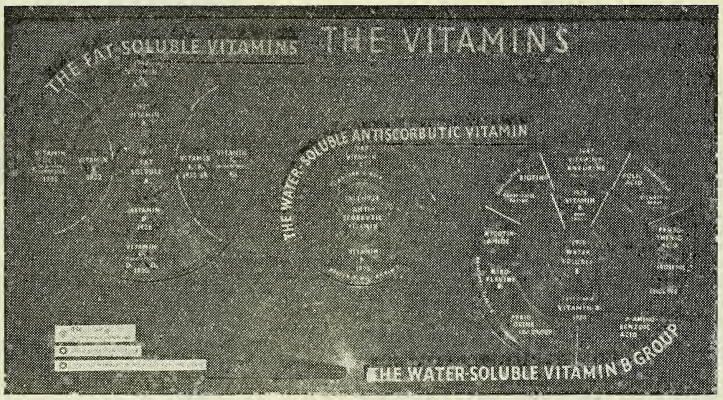
elow: Powder-puff " tree " on stand of Emmett Distributing Co., Ltd.

Below: Effective repetition of a trade mark motif in the Sandbox soapless shampoo exhibit of Ashe Laboratories, Ltd.

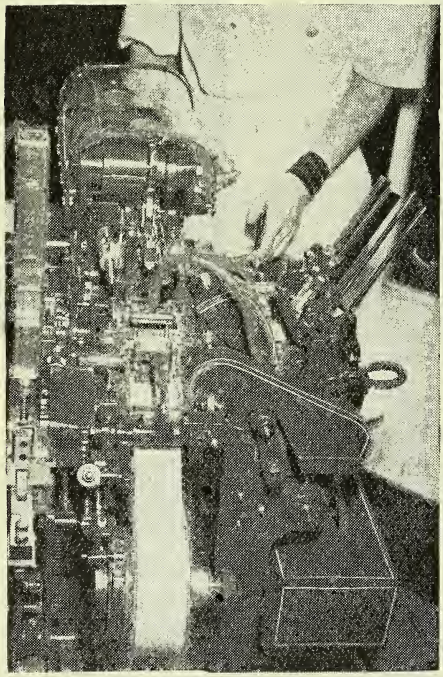


B•I•F

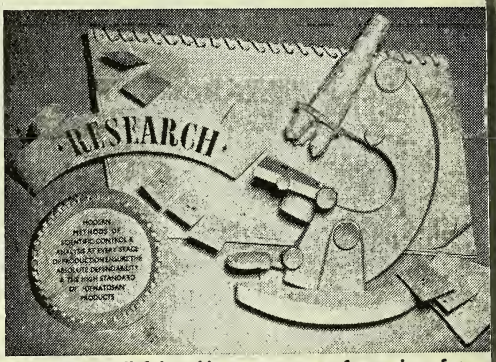
FURTHER DISPLAYS



Solid diagram in transpa plastic illustrating classif tion of vitamins: The Bri Drug Houses, Ltd.

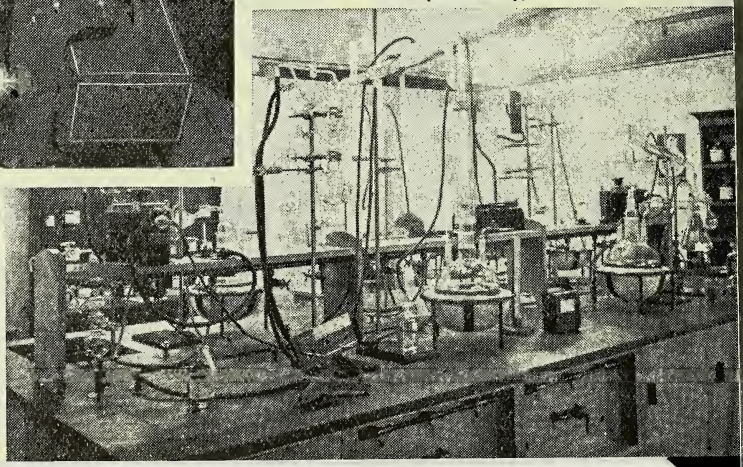


At left: Razor-blade wrapping machine: Gillette Industries, Ltd.



Above: Bas-relief in white paper, one of a series of pane on stand of Genatosan, Ltd.

Below: Bench showing distillation processes: Field & C (Aromatics), Ltd.



FAIR VISIT

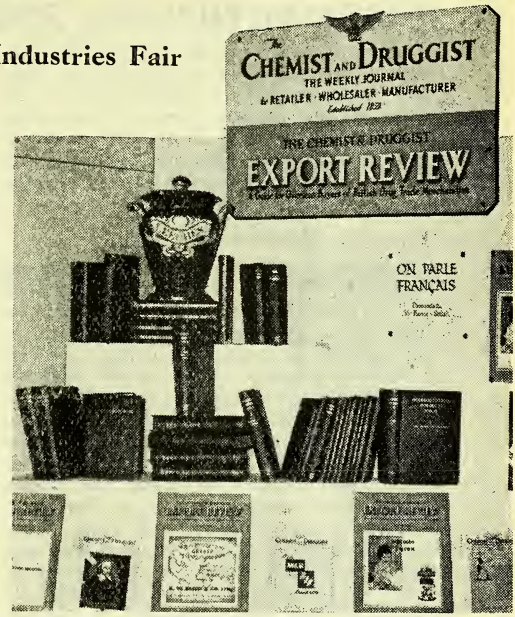
C. & D. Editorial Staff at British Industries Fair

The time-honoured custom of calling-in all representatives to man the stand during a trade exhibition works well for the larger chemical manufacturers at the British Industries Fair. So far as The Chemist and Druggist is concerned, the stratagem provides too few personnel, and members of the editorial staff are Press-ganged into service and given a rare opportunity to rub up their rusty powers of salesmanship. During their duty periods, sub-editors are liable to have their shortcomings brought to their notice by other trade exhibitors, irate because their products have not been given sufficient editorial mention. As a rule it is possible to convince such critics that they have been given as much space as the paper situation permits. Occasionally (possibly because space was booked after the catalogue went to press) an exhibitor is genuinely overlooked. The only known instance—so far—has been Thornton & Ross, Ltd., Huddersfield, who had a display of pharmaceutical and toilet specialities on the stand of their export agents, G. Havinden, Ltd. (A 1310). To them, and to any others who may even now appear, apologies are sincerely offered.

Glassblower at Work

A white-coated technician who took his place at a bench on a stand in the scientific instruments section soon had a crowd around him. With two gas jets and a glass-file as his only apparatus he demonstrated the processes involved in making by hand a clinical thermometer. Two taps of the file, and the demonstrator had ready an accurate length of stout glass tubing. In a colourless gas flame, he joined the length to a glowing bead of glass, which, after being blown into through a capillary tube (and what breath-control!), swelled to form the embryo mercury-bulb. With a speed that almost deceived the eye, the bulb was pulled out and sealed off, and the mercury drawn in. The next process required, he declared, much patience and practice to "perfect." It was an understatement. Dexterously he inserted the constriction into the capillary tube, to act as a non-return valve for the mercury column. Apart from calibration, the thermometer was complete. Industrially the "clinicals" are, of course, mass-produced by machinery.

The following were typical of the comments on the Fair made to *C. & D.* representatives: *By an exhibitor:* It has proved well worth while. Although we could have booked orders for many times the amount of goods we shall be able to supply, we have renewed valuable contacts and made new ones. *By an overseas buyer:* The Fair speaks wonders for the recovery of post-war Britain. We have placed useful orders, and although early delivery could not always be promised, we are well satisfied with our visit. *By a home buyer:* It was tantalising to see so many products available only for export, but we ordered some useful items.



C. & D. publications on show at Stand A 1349

Odd Man Out

A curious caller at The Chemist and Druggist stand was a little man in a dark suit, carrying an umbrella. He flicked through copies of the *C. & D.* and the Chemist and Druggist Export Review, browsed in "Pharmaceutical Formulas," turned over a few pages of "Veterinary Counter Practice," and finally became absorbed in "The Art of Dispensing." "Are you a pharmacist?" asked the representative on the stand. "No, not exactly." "Perhaps you represent a drug firm?" "No." "You seem very interested—have you any connection with pharmacy?" "Well, yes, I have in a way. You see, I'm a Panel patient."

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEETINGS of the Council of the Pharmaceutical Society of Great Britain were held in London on May 6 and 7, Mr. G. R. Knox Mawer (president) in the chair. The Council elected Dr. E. Host Madsen (president, International Pharmaceutical Federation) and Dr. T. Potjewijd (secretary) to be honorary members of the Society.

Grants to Members and Widows

Adoption of the report of the Benevolent Fund and War Aid Committee was moved by MR. J. F. MCNEAL. He gave the total received for the War Aid Fund to April 30 as £40,506, expenditure being £14,116. A £20 grant was made to one member from the Benevolent Fund; to three widows of members grants were made of £10 plus £52 for twelve months, £15, and £52, and two further grants of £20 plus £104 for twelve months and of £104 for twelve months were recommended by the Committee and approved by the Council. From the War Aid Fund, one grant of £25 plus £52 for twelve months and another of £208 for twelve months, recommended by the Committee, were approved. The report was adopted.

MR. C. W. MAPLETHORPE, in moving adoption of the report of the Education Committee, said that the Charter Travelling Scholarship, which the Committee recommended should be offered for award in 1948, had been introduced during the war, when there had been no opportunity for travel. The recommendation was approved and the report was adopted.

Examination Regulations

MR. T. REID, in a question of which he had given notice, asked whether the examination regulations could be amended before 1952 should experience show that postponement of dates or other change was necessary before that year. He asked the question, he said, because the published report of the previous Council meeting had not made the position clear. THE PRESIDENT replied: "The examination regulations may be amended at any time by the Council with the approval of the Privy Council. I understand that it is the intention of the Education Committee to keep the situation under close review in order that the Council may have full information about the effect of the changes in 1950. This is well before the date of the introduction of the three-year course, and will enable the examination regulations to be amended in 1950 if the Council desire to do so."

Tribute to Employee

Moving adoption of the report of the Establishment Committee, MR. W. S. HOWELLS referred to the resignation of Miss Carver. "She has been with us," he said, "for about fourteen years, and I am sure the Council would like to express their sincere thanks to Miss Carver for her very loyal and valuable service during that period." The report of the Committee was adopted.

Finances of the Society

The Treasurer (MR. H. C. SHAW) presented the Society's Financial Statement for 1946. During the previous five years, the net cost of the college, now £13,000, had risen by nearly £5,000, and the College salaries and wages from £9,000 to £19,700. The examination surplus had slowly dwindled from £5,900 to £4,200, and the cost of the Law Department had risen from £9,000 to £13,000. Income for benevolence had risen from £7,500 to £10,500, but this year there was for the first time a deficit of about £1,000. Many members who were now contributing to local hospitals might be wondering what they should do when the Government took over the hospitals next April, and he threw that out as a suggestion to the Benevolent Fund Committee. Organisation, at £2,800, was roughly back to normal, but, in view of generally increased costs, if the Organisation Committee made out a good case for an increase the Finance Committee would not be unwilling to listen. The cost of the "Pharmaceutical Journal" was down from £6,824 to £2,363, which was a considerable and gratifying achievement. Other publications averaged a surplus of approximately £5,000 a year during the period under review. The North British Office, at roughly £5,000, was costing £1,100 more. The cost of superannuation had risen from £3,000 to £5,000, while the cost of salaries and wages had risen from £30,000 to £50,000. Students' registration fees had increased fairly evenly from £1,900 to £2,400, and it was to be anticipated that that would shortly be reflected in the increased examination fees. Pensions had risen by £350 a year, in spite of superannuation. The report was approved.

The monthly report of the Finance Committee, presented by THE TREASURER, was also adopted.

Law Committee

The Law Committee's report, presented by MR. F. G. WELLS on behalf of the chairman, showed that in March the Society's inspectors and agents had visited 2,202 authorised sellers, 148 listed sellers, and 621 drug-store proprietors and similar traders.

The Council received reports from the Committee on the dismissal by the Divisional Court of the Society's appeal in the case Denerley *v.* Spink (use of restricted titles) and on the judgment of the Court of Appeal in the "test" action (substance recommended as a medicine). It was considered that the first case called for an amendment of the Pharmacy and Poisons Act, 1933. The implications of the second case were receiving attention.

COUNCIL'S POLICY ON PROPRIETARY MEDICINES

THE "conclusions" of a report and the text of a letter sent to the Ministry of Health on behalf of the Pharmaceutical Society in February have just been circulated to the pharmaceutical Press. It may be recalled that in the report of the February meeting of the Council of the Society the following sentence appeared: "The Council approved the terms of a communication to be sent to the Ministry of Health, setting forth the Society's policy with regard to proprietary medicines." The report itself is regarded as confidential and has not been circulated.

"Conclusions" from the Report

SUFFICIENT advertisements have been quoted and advertising methods referred to to give a general picture of proprietary medicine advertising as it is at the present time. Throughout the pages of most newspapers and periodicals in general circulation, sufferers from all manner of diseases and ailments are offered beans, tablets, wines, powders, salts, pills, ointments, tonics, hormones, glands and vaccines that will bring them youth, health, charm, slimness, strong nerves, inner cleanliness, lively livers, freedom from pain, increased (or decreased) weight, iron for the blood, purer blood, vitamins, contentment, resolution, immunisation, vitality, and so on. The advertisers' claims are frequently so fantastic that one would not be surprised to find them offering secure jobs and large salaries into the bargain.

Misrepresentations: Extravagant Claims

This review of proprietary medicine advertising, it is suggested, shows that the position is little less objectionable than it was at the time of the Select Committee Report in 1914. Since then legislative reforms and trade action have struck at the major evils then revealed, but legislation has still a long way to go to overtake informed public opinion. There remains the gross misrepresentation, the extravagant claims, the appeal to fear, to which have been added in more recent times the exploitation of glandular and hormone preparations on a "cure-all" basis, the pretence to technical advance as evidenced in the "biochemical" and "oral-vaccine" preparations, along with a variety of objectionable new "selling angles" for simple medicaments. Outside the pale of the reforms introduced since 1914 these evils continue unchecked, subject only to the legal requirement for disclosures of composition which, while it has illuminated the malpractices, has done little to affect either the claims made by advertisers or the demand of the public. A factor which aggravates the mischief, and which arises from the repeal of the Medicine Stamp Acts, is the increased number of distribution points for proprietary medicine. It only needs an examination of the medicine counter at one of the popular "walk-round" stores to see how easily these preparations can be purchased and how "sales resistance" has been minimised by having the preparations, made so familiar by advertisement, ready at hand for the handing over of a coin. Nor is it to be expected that the introduction of a comprehensive Health Service will in itself minimise demand in any way. In 1914 the Select Committee ventured to prophesy:—

> "24. We would draw attention, however, to the probability that the sales of secret remedies will tend to decrease from the operation of the National Insurance Act. Now that millions of insured persons can obtain medical advice, prescriptions and drugs free of cost they will naturally be less likely to attempt self-medication in order to save doctors' fees."

Why Proprietaries are Popular

In actual fact the volume of proprietary medicine sales doubled during the next ten years, as shown by the tax yield, and it cannot be expected that the public will react any differently to the new Service than they did to the initial National Health scheme.

The attitude of the public is not difficult to understand. It is tedious and depressing to await one's turn in a surgery or out-patients' department, but it is interesting and venturesome to try an attractively advertised remedy which seems to offer a reasonable hope of effectiveness. The public cannot be denied this right of self-medication but this review of current advertising shows, it is submitted, that protection is needed in the exercise of that right. Unless, therefore, appropriate steps are taken to provide this protection, the era of a comprehensive health service may bring with it the golden age of commercialised charlatanism, which makes a butt of the orthodox practitioners on whom the service depends and a victim of the public to the prejudice of the service. It is therefore desirable, before the compelling pressure of these selling methods can be exerted still further, to direct attention to the following conclusions which, it is suggested, are to be drawn from the facts set out in this report:—

1. Proprietary medicines are advertised in terms of the grossest exaggeration advancing claims which are frequently fraudulent.
2. The persistent and ubiquitous advertising of proprietary medicines makes the public conscious of disease, teaches that ill health is the normal condition of human beings and encourages self-medication as a habit.
3. The claims made for some medicines lead to the public postponing seeking skilled advice and encourage symptomatic treatment, thereby prejudicing the success of treatment directed to the cause of the symptoms.
4. Many advertisements for proprietary medicines are based upon creating an atmosphere of fear—fear of ill health or of an operation; of premature old age, of an incurable disease.
5. Reliance is placed upon uncritical testimonials as evidence of the value of proprietary medicines.
6. Exaggerated claims are made for medicines for the relief of chronic conditions such as asthma and rheumatism, and hopes are held out which cannot be realised.
7. By implication or indirectly the advertising of proprietary medicines undermines public confidence in a state medical service and in the registered medical practitioners at whose hands such a service must be provided.
8. Questionnaires are sent to patients with the suggestion that the manufacturer of the medicines will diagnose from the patient's answers what his complaint is and what medicine should be given him. There is evidence that the same medicine is supplied without regard to the information which the patient gives.
9. Pamphlets and advertisements are published which advertise articles as sexual tonics.
10. Excessive prices and fees are charged for some medicines and for some treatments and money that can ill be spared is extracted from the sick.
11. Many advertisements are couched in scientific or semi-scientific terms, often meaningless or having a pretence to scientific advance, designed to impress or deceive uneducated and credulous people.
12. Endeavours are made to circumvent legal requirements relating to disclosure of composition.
13. Certificates of analytical bodies referring to qualitative and quantitative particulars are issued to proprietary medicine manufacturers on a commercial basis and are used by them in advertisement in implied support of claims concerning which the certificates have no relevance.
14. Preparations are compounded in a manner and of such substances as to defy analysis and preclude the production of evidence at law as to composition.
15. The advertising of proprietary medicines is so extensive that the influence of advertisers prevents the ventilation of reforms in the public Press and so derogates from the principle of the freedom of the Press.
16. The volume of advertising of proprietary medicines gives these articles a significance which is out of all proportion to their true value to the community.

Letter Sent With Report

SIR,—I am directed by the Council of the Pharmaceutical Society to send for the information of the Minister the accompanying copy of a report adopted by the Council concerning the advertising and sale of proprietary medicines. As the Minister will be aware, the Society has the duty of enforcing Sections 8, 9 and 11 of the Pharmacy and Medicines Act, 1941, among other statutory provisions, and during the last five years it has accumulated much information upon the present methods of advertising proprietary medicines. This information is the basis upon which the report has been prepared, supplemented by infor-

nation collected by the Society's inspectors under the Pharmacy Acts.

In the light of the facts disclosed by the report, the Council consider that action should now be taken to bring under statutory control the sale and advertising of proprietary medicines. The essential elements in such control should be:—

(a) the duty of securing the maintenance of proper standards for proprietary medicines and their advertisements should be placed by statute upon the Minister of Health in England and the Secretary of State in Scotland.;

(b) in carrying out these duties, they should be assisted by an advisory committee including pharmacists, medical practitioners and representatives of the appropriate Government departments and persons with a specialised knowledge of the subject;

(c) a registrar having pharmaceutical qualifications will be needed, together with

(d) a register of medicines and of manufacturers;

(e) the sale of unregistered medicines should be prohibited;

(f) standards for medicines and for advertisements should be prescribed by regulations made on the advice of the Committee; these standards should include:—

(i) a requirement that the disclosure of composition must be in approved words and quantities;

(ii) the prohibition of false, misleading or exaggerated claims;

(iii) the prohibition of offers of diagnosis through the post;

(g) similar provisions should be applied to surgical appliances and to "treatments";

(h) complaints of non-compliance with the regulations would be heard by the Committee, who would advise the Minister whether or not the medicine or the manufacturer should remain on the register; any action by the Minister would be subject to appeal to the High Court;

(i) the services of the inspectors of the Pharmaceutical Society would be available for the necessary duties of enforcement.

The Society recognises what has been accomplished in the way of reform, but it is satisfied that the limits of what can be achieved through voluntary effort are in sight and that legislation is necessary for the work to be completed. The Council desire to emphasise one point to which they attach importance. The number of proprietary medicines having a limited local distribution, prepared by pharmacists in their own pharmacies and distributed from them, is large. If their number is considered likely to make administrative difficulty, the possibility of utilising the statutory powers of the Pharmaceutical Society to control them should be examined. If there is further information which the Society can supply or any amplification of the contents of the report or this letter, the Council will be glad to arrange for their representatives to meet representatives of the Ministry.

WOMEN PHARMACISTS

At the annual meeting of the National Association of Women Pharmacists held recently in London, Miss C. Mozley-Stark (president) welcomed members from the Association's branches and announced the recent formation of a branch in Sheffield. A paper sent by Miss N. G. Randles, Manchester, on "The Small-Scale Manufacture of Galenicals," described how she had prepared, in her own pharmacy, batches of raspberry vinegar, syrup of marshmallow, and syrup of elder, when they were unobtainable from the wholesaler. Miss F. B. Prince, Nottingham, thought that apprenticeship before qualification produced a more contented, and therefore a better, pharmacist than one who qualified before a period of practical training. Students who went straight from school to college saw only the academic side of the profession and later did not appreciate the importance of the essential routine jobs. Miss M. H. Perkins, Leicester, speaking on "Unusual Dispensing," said that almost any dispensing performed in a chemist's shop might become "unusual." A recent survey of drug stores in America had shown that as many as 78 per cent. of their prescriptions did not require compounding. There was a similar tendency in Great Britain, which would have a deleterious effect on the pharmacist who was highly trained in the art of dispensing. Miss Perkins then gave examples of some unusual prescriptions which had been dispensed in her pharmacy. Mrs. Townley (secretary, Merseyside Branch) gave a survey of the activities of the first year of her Branch and showed how, in spite of adverse circumstances, the venture had proved well worth while. Miss E. Borley (secretary, Edinburgh Branch) sent a description of the inauguration of the Branch and of the first meeting of its session.

THAMES VALLEY BRAINS TRUST

At a meeting of the Thames Valley Pharmacists' Association on April 24, members' questions were answered by a "brains trust" consisting of Miss I. P. Brown, Ph.C. (chief pharmacist, Kingston County Hospital), Mr. A. Mortimer, M.P.S. (managing director, J. C. Eno, Ltd., Watford), Mr. W. S. Howells, M.P.S. (a member of the Pharmaceutical Society's Council), Mr. F. C. Wilson, M.P.S. (secretary, Surrey Pharmaceutical Committee), and Mr. N. Dewey, M.P.S. (Allen & Hanburys, Ltd.), with Mr. R. Brill (principal, Kingston School of Art) as question-master. Points from some of the replies are summarised below:

For what reasons would you advise a friend to take up pharmacy as a career?

Mortimer: I wouldn't. Brown: Pharmacy offers opportunity for contact with members of allied professions. Dewey: There are several interesting branches of pharmacy for a newcomer to choose.

Will the Pharmaceutical Society's education policy split pharmacy into the professional side and the drug store side?

Howells: Such a split may come after many years but not as a result of the Society's education policy. Brown: It would be better for those who are not prepared to attain high standards of pharmaceutical education not to enter the profession.

Would the adoption of the Metric system for weights and measures be an advantage?

Brown: Yes. Much confusion was caused by the Apothecaries' system when working with American pharmacists during the war. Dewey: Yes, but the unreadable Apothecaries' symbols on a prescription have a psychological value for the patient. Howells: Pharmacists are trained in the use of the Metric system. It would be generally advantageous in pharmaceutical operations but not for selling purposes. Mortimer: The B.P. gives both Apothecaries' and Metric weights for those who wish to use them, but doctors seldom use the Metric system for prescriptions. Brown: The Metric system is already widely used in hospital practice, especially for ampoules, penicillin preparations, etc.

Should a paid official of the Pharmaceutical Society be allowed to publish his personal views on pharmaceutical affairs without the previous sanction of the Council?

Howells: Such officials should not be denied the common right of expressing a personal opinion. Wilson: Officials should have such rights, but should make it clear when they are giving their own personal views and not those of the Society. Mortimer: Paid officials are members of the Society and should be fully entitled to express their personal opinions.

Should the sale of a proprietary medicine, for which unjustifiable claims are made, be regarded as an offence against the code of ethics?

Wilson: No; the seller is not responsible for claims made for an article unless it is made and sold by the same person. Brown: Yes, because the pharmacist who sells such a preparation is, in fact, giving it his blessing. Mortimer: Reputable manufacturers have their advertising claims checked by qualified pharmacists; no label or advertising matter should make unjustifiable claims. Howells: The seller does not always know the claims which may have been made for articles he sells.

Has the status of pharmacy improved or declined during the past thirty years, and what will be the effect of the new National Health Service Act?

Mortimer: The status has improved; much dispensing that was done by the medical profession is now done by pharmacists. Before the old National Health Insurance Act no pharmacist owned a car. Now there are at least six who own cars. Wilson: The new service depends on what pharmacists are prepared to put into it. Howells: Under the new Act, pharmacists will have more pharmaceutical work and will be afforded greater scope as advisers in pharmacological matters to the medical profession.

How can greater unanimity of action in business and professional matters be achieved among pharmacists?

Howells: By more frequent meetings on subjects of common interest. Mortimer: Do we want unanimity? Unity and uniformity are not the same; meetings should be well attended so that differing views can be expressed and decisions reached in the best interests of pharmacy. Wilson: By less distrust of competitors and more general confidence in the profession.

Should the issue of prescriptions for Fourth Schedule poisons marked ambiguously "to be repeated" be permitted?

Mortimer: Legally "to be repeated" means "*ad nauseam*." Dewey: "To be repeated" should mean "may be dispensed once more."

ULSTER CHEMISTS' ASSOCIATION

The executive committee of the Ulster Chemists' Association, at its meeting in Belfast on May 6, after again considering a revised scale of wages prepared by the Associates' Section, decided that, in view of the unfavourable replies received from the local associations, it could not recommend any increases at present.

Mr. R. Gibson (president) expressed the committee's sympathy with the vice-president on the death of his father, Dr. S. E. A. Acheson, who had been a member of the original Ulster Retail Chemists' Association, and had held office as joint secretary with Mr. James Guiler. All members stood while votes of sympathy were passed with the relatives of Dr. Acheson, the late Mr. J. F. Grimes, J.P., and the late Mr. Bryce McDowell. Miss A. E. Strachan (secretary) reported that following a discussion at the previous meeting, a request had been sent to the Ministry of Health to have a pricing bureau set up in Northern Ireland. An agreement which had been reached at a recent conference between representatives of a manufacturer, the Northern Ireland Veterinary Medical Association, and the Ulster Chemists' Association, concerning restrictions on the sale of certain veterinary products, through chemists, to veterinary surgeons and to persons presenting veterinary surgeons' prescriptions, was ratified. It was stated that members would receive notification when the question of discounts had been clarified and when the result of a meeting of the National Veterinary Medical Association, to be held in Great Britain, was known.

The following were elected to membership: S. C. Kerr, Ltd., 137A Ligoniel Road, Belfast, and Mr. J. A. McIntyre, Ph.C., 67 Scotch Street, Dungannon. The following whose applications had been approved at a previous meeting of the Associates' Committee were elected as Associates: Messrs. W. A. Mehaffy, and W. H. Poulter (pharmaceutical chemists); Miss J. Shillington, Messrs. C. R. Elliott and A. Preston (assistants); Mr. B. J. Connolly (apprentice).

A letter from a member who had recently opened a new pharmacy complained that he had been unable to obtain permission to retail soap. It was agreed that the Association should take up the matter with the Ministry of Food.

CHEMISTS' AND DRUGGISTS' SOCIETY

At the annual meeting of the Chemists' and Druggists' Society of Ireland held recently in Belfast, it was reported that no candidate had qualified for the Haslett Memorial medal. In presenting his annual report, Mr. H. McQuitty (secretary) said the membership of the Society had been well maintained. He referred with regret to the deaths of Mr. John F. Grimes, J.P., Pomeroy, Mr. R. S. Anderson, Fivemiletown, and Dr. S. E. A. Acheson, Mr. Bryce McDowell and Mr. Horner Haslett, Belfast. The report stated that during the past year the Ministry of Home Affairs had reduced the druggists' representation on the Council of the Pharmaceutical Society of Northern Ireland, and they were now represented by Mr. J. F. Irwin and Mr. T. Nelson. The annual excursion having been successfully revived in 1946, it was intended to have an outing in June.

Mr. W. Gibson (treasurer) presented a satisfactory financial statement. Moving the adoption of the reports, Mr. Storey said he hoped there would be some improvement in conditions during the coming year, particularly concerning the limitation of supplies and the increase of costs Manufacturers, he said, were encouraged to export but the Society felt that more consideration should be given to the home market. The Society was following with interest the efforts being made in Eire to achieve a settlement of the druggists' position; he hoped that in the new legislation the druggists there would be successful. In Northern Ireland the druggists were looking forward to the new Health Services Bill and they were confident that their management committee would look after their interests. A meeting of the Benevolent Fund Committee, he added, would be held shortly. The reports of the secretary and the treasurer were unanimously adopted.

Mr. Fred Storey was re-elected *President* on the motion of Mr. H. Johnston, seconded by Mr. A. E. Davis. The *Vice-presidents* were re-elected with the addition of Mr. Johnston in the place of the late Mr. J. F. Grimes. The following officers were also elected or re-elected: *Treasurer,* Mr. W. Gibson; *Secretary,* Mr. H. McQuitty; *Auditors,* Messrs. E. A. Richey and S. Nevin; *Representatives on the Benevolent Fund,* Messrs. H. Johnston and S. Nevin; *Representative on Belfast Chamber of Commerce,* Mr. Storey. The *Committee* was re-elected,

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted for the purpose.

Making Boiled Sweets.—*C.W.C.*—A mass for preparing boiled sweets may be made as follows:—

A quantity of ½ oz. cream of tartar is dissolved in four pints of water, 14 lb. of sugar is added and stirred until dissolved. The solution is then heated to 310°-315°F. with no further stirring, care being taken to wash down any crystals that adhere to the pan. After boiling, the mass is poured on to a slab; tartaric acid and any flavouring agents may be incorporated at this stage, while the mass is still plastic.

Preparation of Turkey Red Oil.—*B.L.*—Though the preparation of turkey red oil does not lend itself to small-scale processes, a method is given below:—

1½ lb. sulphuric acid 66°B. is added in a thin stream and with constant stirring to 6¾ lb. castor oil. Heating during the process is avoided, but, should it occur, the adding of sulphuric acid must be stopped until the mass has cooled off. On a large scale it is better to use vats lined with lead. The mixing requires two to four hours, three being sufficient with the above quantities. The mass is then allowed to stand for twelve hours, after which it is diluted with 1 gall. water. Calcined soda (about 1½ lb.) is added in small portions until the solution is neutral to litmus. The mass then gives a white emulsion with water and ammonia is added until a sample gives a clear solution. The mixture is then allowed to settle for twelve hours, and the turkey red oil is syphoned off. The sodium sulphate, formed by neutralisation, settles as a crystallised residue at the bottom of the vessel.

Leg Make-up.—*R.P.*—A liquid leg make-up may be prepared to the following formula:—

Zinc stearate	2
Titanium dioxide	3.5
Colloidal aluminium magnesium silicate gel	20
Isopropyl alcohol	6
Umber	½
Yellow oxide	2½
Red oxide	2½
Propylene glycol	1
Methyl cellulose (viscosity 1,500)	½
Water, perfume and preservative to	100

The isopropyl alcohol is mixed with an equal part of water, the propylene glycol, and the perfume, blending in the zinc stearate and pigments, and mixing until smooth. A mucilage is made of the methyl cellulose, with the remainder of the water, and mixed into the colloidal silicate gel. The product is added to the pigments, and thoroughly mixed, taking care not to occlude air.

A formula for a cream preparation is given below:—

Stearic acid	18
Spermaceti	3
Sorbitol	6
Mineral oil	1
Amino glycol	3
Zinc stearate	8
Tatanium oxide	3
Pigment	3
Water to	55

Tinted Powder-base Cream.—*L.D.M.*—Formulas for a powder-base cream which may be tinted are given below. The powder base may consist of—

I

Titanium dioxide	6 gm.
Talc	4 gm.
Colour	q.s.

or II

Osmo kaolin	3 gm.
Colloidal silica	2 gm.
Talc.	2 gm.
Titanium dioxide	2 gm.
Magnesium stearate	1 gm.
Colour	q.s.

The constituents should be well mixed mechanically and then sieved. The powder-base cream may be prepared by melting—

Lanette wax SX	100 gm.
Stearic acid	100 gm.

and adding these at 170°F. to 800 gm. of water at the same temperature containing preservative. When this has thickened it should be poured into the following:—

Glycerin	120 gm.
Powder base	120 gm.
Perfume	q.s.

Ammoniacal Silver Nitrate.—*H.W.*—The formula required is as follows:—

Silver nitrate	704 gm.
Distilled water	245 mils
Strong ammonia solution, about	680 mils
To make about	1000 mils

The silver nitrate is powdered in a glass mortar, dissolved in the distilled water (warming if necessary), cooled to room temperature and strong ammonia solution added from a burette until all but the last trace of black precipitate is dissolved. The residue of precipitate is filtered out from the solution. The product is an aqueous solution of silver diamino nitrate, containing in each 100 gm. the equivalent of 28.5-30.5 gm. Ag.

Fire Extinguishers.—*E.C.T.*—The following solutions may be used in one-solution fire extinguishers:

I

Calcium chloride	20 oz.
Sodium chloride	5 oz.
Water	75 oz.

II

Sodium chloride	65 gm.
Sodium carbonate	16 gm.
Water	920 c.c.

III

Sodium chloride	1 oz.
Sodium nitrate	1 oz.
Ammonium chloride	2 oz.
Magnesium chloride	4 oz.
Water	20 oz.

IV

Sodium chloride	2 oz.
Ammonium chloride	1 oz.
Water	7 oz.

GUIDE TO NEW MEDICAMENTS

Information—in a form convenient for mounting on record cards for permanent card-index systems—about new proprietary medicaments supplied principally on a prescription. Their mention in these columns does not imply Editorial recommendation. A limited number of reprints will be made available to subscribers on application.

RHINAMID

MANUFACTURER: Bailly, Ltd., London (Agent, Bengue & Co., Ltd., Alperton, Wembley, Middlesex).

DESCRIPTION AND FORMULA: Aqueous nasal instillation consisting of:

Sulphanilamide	0.4
Ephedrine hydrochloride	1.0
Aminobenzoyl-di-butyl-aminopropyl alcohol	0.026
Aqueous excipient to	100

INDICATIONS: Oto-rhino-pharyngeal medication.

DOSAGE: Instillation of five drops five or six times daily.

HOW SUPPLIED: Bottles of 45 c.c.

DIPHTHERIA PROPHYLACTIC A.P.T. PLUS PERTUSSIS VACCINE (ALUM-PRECIPITATED) GLAXO

MANUFACTURERS: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: Combination of diphtheria and whooping cough antigens for simultaneous immunisation against diphtheria and whooping cough. Each mil contains 0.5 mil toxoid (representing at least L^f 25 of diphtheria prophylactic) and 20,000 million of *H. Pertussis.*

DOSAGE: Doses of 0.5 mil, 0.5 mil and 1 mil at intervals of four weeks. For reimmunisation, one dose of one mil. Immunisation is preferably commenced at the age of four to six months.

HOW SUPPLIED: Bottles of 5 and 10 mils.

DERMACRINE

MANUFACTURER: Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2.

DESCRIPTION: Powder, tablets and ointment containing the compound 5:aminoacridine hydrochloride.

INDICATIONS: Septic wounds, abscesses, pyogenic infections, conjunctivitis, blepharitis sinusitis, cystitis.

ADMINISTRATION: For local applications, a 1 in 1,000 solution, or a dusting powder with sulphanilamide. Orally, 4 gr. on the first day, followed by 2 gr. daily for 2-3 days, with potassium citrate 40 gr. every four hours.

HOW SUPPLIED: Powder, 1 gm. and 5 gm.; tablets (1 gr.), packages of ten and fifty; ointment (non-greasy) 0.1 per cent., pots of 1 oz.; Dermacrine-sulphanilamide powder, tubes of 5 gm.

NOTES: Non-staining, stable to light, effective in the presence of pus.

DIAQUONE (VETERINARY)

MANUFACTURER: Imperial Chemical (Pharmaceuticals), Ltd., Alderley Edge, Manchester.

DESCRIPTION: A yellowish-brown, tasteless and odourless powder consisting of 1:8 dihydroxyanthraquinone.

INDICATIONS: In ascending dosage, as a mild laxative, a purgative or a cathartic in constipation, colic, impaction, etc., in horses, farm animals and domestic pets.

DOSAGE: Varies widely according to animal. Dosage scale issued by the manufacturer should be consulted.

HOW SUPPLIED: Powder in containers of 100 and 500 gm.; dosage containers, boxes of 10 x 15 gm. doses; tablets (0.15 gm.) in containers of 25.

OVERSEAS TRADE NEWS

Hungary Receives Penicillin.—It is understood that a consignment of 1,600 kilos of penicillin has arrived in Budapest from America.

Indian Shellac Shipments.—As a result of a prolonged strike of Calcutta dock-workers, total shellac shipments during April to all destinations totalled only 30,289 packages compared with 49,025 packages in the previous month.

Ethiopia Controls Medicinal Products.—Imports into Ethiopia of pharmaceutical and medical stores are controlled by a State concern, the General Medical Stores Corporation, which purchases and distributes these products.

U.S. Streptomycin Production.—Production of streptomycin in the United States is expected to reach 1,000,000 gm. a month by January 1948, which is almost double the current output. Manufacturers recommend the continuation of export controls on this drug beyond June 30, because of the high level of foreign demand.

Kenya Unsuitable for Groundnuts.—Kenya is not likely to participate in the British Government's scheme to grow groundnuts in East and Central Africa, mainly because the climate is not suitable. Organisers of the scheme are now discussing the position with Kenya's Member of Agriculture.

Less Linseed Oil from India.—India has sharply revised her ideas as to the quantity of linseed oil she will be able to export in the present season. Her export quota for the period April 1947 to March 1948 has now been fixed at 20,000 metric tons, or 7,000 tons less than the provisional quota announced by the Indian Commerce Department in April.

German Chemicals Agreement.—An agreement has been concluded for the mutual delivery of chemicals between the British, American and French zones of Germany, including the Saar area. Deliveries by the French zone during the second quarter of the year are scheduled to amount to a value of 25,000,000 Reichsmarks and those from the British-American zones, 6,000,000 Reichsmarks.

Berlin Seeks Perfume Export Permit.—The Berlin cosmetics industry is seeking permission from Allied Military Government for the exportation of perfumes. Supplies of raw materials, such as essences, are said to be fairly adequate, although allocations of alcohol are often limited and difficulties are experienced in securing packing materials. Negotiations for the supply of perfumes to the Russian zone on a considerable scale are already in progress.

French Entrepôt Trade.—Steps are being taken in France to encourage the import of goods for re-export. Goods bought for cash must be re-exported within six months of delivery to qualify for the necessary exchange being provided by the *Office des Changes* at the time the import is effected. Where goods are bought on credit, an importer must give an undertaking to re-export within the time limit of the credit, and may not remit foreign exchange to the supplier until he has resold the goods.

Insect Repellant for Cosmetics.—A non-volatile glycol with a high boiling point, 2-ethylhexanediol-1,3, is now being produced in the U.S. in commercial quantities for general chemical application. The material was first used during the war as an insect repellant. It has limited water solubility and may be used in the preparation of new types of emulsifying agents and perfume fixatives. Reports state that it is readily compatible with the customary ingredients of cosmetic lotions and creams and does not irritate the skin.

New Orleans Has "Free Zone."—A foreign free trade zone has been opened in the U.S. port of New Orleans. In the zone no import duties are levied and merchandise of foreign origin may be stored, broken up, repacked, assembled, sorted and cleaned. Customs duties are not assessed until the goods, either partly or completely, are brought into the country. Goods re-exported are not subject to any fees, save storage charges. Among the operations to be carried on in the New Orleans free port are the cleaning and repacking of seeds and drugs.

Zanzibar Customs Tariff.—Under a Zanzibar Customs Tariff (Amendment No. 2) Decree, 1946, which came into operation on December 14, 1946, toilet soaps, including shaving soaps and creams, and shampoos, entering the Protectorate, are subject to a basic duty of 15 per cent. *ad valorem*. Dentifrices, razors and safety razor blades are subject to duty at the same rate, while cosmetics and other toilet preparations carry a duty of 30 per cent. The duty on perfumed spirits is Shs. 50.00 per imperial gall.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, May 14

THE demand for PHARMACEUTICAL CHEMICALS continues to expand. This week has seen a spate of inquiries from Empire and foreign buyers who are attending the British Industries Fair. Price, in many instances, is regarded as a secondary consideration and there are no signs of a decline in the sellers' market. There is, however, a growing concern regarding delivery dates. Price changes are few in number. Recent increases in the cost of raw material have been responsible for higher rates for CAFFEINE and THEOBROMINE. An increase of 7s. 6d. per ton in the controlled price of SULPHUR (GROUND) has been made; the new rates are effective from May 12.

Crude Drugs

The markets have again been quiet and steady. The 2,000 1-cwt. bales of Japanese AGAR have now been landed. The material is reported to be of fair colour and is comparable in quality with pre-war Kobe No. 2 strip. The Ministry of Supply have announced the revocation of the Control of Agar No. 1 and No. 2 Orders under which the usage and price of agar have been regulated. Inquiries regarding this product should be addressed to the Ministry of Food, Chocolate and Sugar Confectionery Division, London Road, Stanmore, Middlesex.

It is understood that Cape ALOES is being offered for shipment at prices more favourable to buyers; this material is very difficult to find on the spot. BALSAMS have shown little activity. BENZOIN is in rather better request; prices remain steady. Prices of new-crop BUCHU have fluctuated between 3s. 9d. and 4s., c.i.f. CALABAR BEANS are dull and quotations are slightly lower. A fair inquiry has been received for CALUMBA for shipment. CAMPHOR is a steady market. Shipment offers of Chinese CANTHARIDES are now down to 10s. 9d. per lb., c.i.f. COCOA BUTTER has been increased by 1s. 4d. per lb. DIGITALIS LANATA is in fair request from the Continent; no stocks are available on the spot. GUM ACACIA continues to be easier. GUM MASTIC is quoted at a lower value. Several parcels of Vera Cruz JALAP are being offered at prices from 2s. 3d. to 5s. per lb., according to resin content. KAMALA is scarce on the spot. Brazil MENTHOL has eased slightly; the forward position is somewhat obscure following rumours that the U.S. is buying large quantities of menthol from Brazil. Chinese menthol is steady. RHUBARB, Chinese rough-round, is being offered at prices from 4s. 6d. to 9s., according to quality. TONKA BEANS have shown a small decrease in price. CARNAUBA WAX is again selling at lower prices.

Essential Oils

A rather better demand has been noted for a number of ESSENTIAL OILS. The easier market continues but it is understood that forward values for LEMONGRASS have firmed after the recent decline. Distillers of CLOVE OIL have received a good demand for the bud oil. CORIANDER is in difficult supply. FENNEL is in good request; the sweet oil has been marked down by more than 5s. per lb.

U.S. Drug and Chemical Report

New York, May 9

IT is not yet clear whether the present high rate of GLYCERIN production will continue over the last half of this year since soap kettle operations will largely be dependent upon consumer demand for soaps over this period. The tightness in PHARMACEUTICAL CHEMICALS has not eased owing to the continued shortage of basic materials such as soda ash and coal tar derivatives. CRUDE DRUGS consumers are continuing to purchase only against immediate requirements and a very quiet market has resulted. The lack of activity is generally attributed to the downward price trend of recent weeks. Mexican products are notable exceptions to the price decline however, while high labour costs and inflationary tendencies in other foreign countries which export drugs, are expected to limit the extent of further reductions. There have been some substantial arrivals of GUM TRAGACANTH during the past week and an easier tone has developed on the market.

The ESSENTIAL OILS market displays a steadier tone than in recent weeks and a better inquiry is reported, particularly from beverage manufacturers. Demand from the toilet and perfume industries continues, although on a restricted scale. ORANGE, LEMON and MINT OILS are all in a rather tight supply position.

Pharmaceutical Chemicals

ALLOBARBITONE.—Current price for 10-kilo lots is 90s. per kilo; smaller quantities are quoted 99s. per kilo.

CAFFEINE.—Prices have been advanced owing to an increase in the cost of raw material. Prices per lb. net are as follows: ALKALOID, anhydrous, from 41s. 6d. to 45s. 6d. and B.P., from 39s. 6d. to 43s. 6d., according to quantity; CITRATE, from 24s. 6d. to 28s. 6d.; SODIUM BENZOATE, from 24s. to 28s.; SODIUM SALICYLATE, from 24s. 9d. to 28s. 9d.; SODIUM IODIDE, from 29s. to 32s. Assorted contracts may be booked for the above products (with the exception of Caffeine sodium iodide) for not less than 5-cwt. lots over six months. 14-lb.

tins and upwards free, other containers charged extra, tins being non-returnable. 1-cwt. (50-kilo) kegs/cases free for export, but for home trade charged extra and returnable. Carriage paid on net invoice value of not less than £20. Without engagement.

CALCIUM GLUCONATE.—Supplies are very short. Quotations are from 3s. 3d. per lb.

CARBROMAL.—Importers' quotations are from 32s. 6d. to 35s. per lb., as to quantity.

EMETINE.—Makers' prices per oz. are as follows: HYDROCHLORIDE, 1 oz., 207s.; 4 oz., 200s.; 16 oz., 197s. 6d.; 32 oz., 195s.; BISMUTH IODIDE, 1 oz., 103s. 6d.; 4 oz., 102s.; 16 oz., 100s. 6d.; 32 oz., 99s.

GUAIACOLS.—In fair supply. Liquid is quoted at 14s. 6d. to 16s. per lb.; crystal and carbonate, 14s. to 15s. per lb., according to quantity.

PHENOLPHTHALEIN.—Current rates per lb. are: 1 cwt. 5s. 4d.; 28 lb., 5s. 6d.; 14 lb., 5s. 9d.; 7 lb., 6s.

PILOCARPINE.—Makers' rates per oz. are as follows: ALKALOID.—1 oz., 37s.; 4 oz., 36s. 6d.; 25 oz., 36s. HYDROCHLORIDE.—1 oz., 32s. 6d.; 4 oz., 32s.; 25 oz., 31s. 6d. NITRATE.—1 oz., 30s. 3d.; 4 oz., 29s. 9d.; 25 oz., 29s. 3d.

PIPERAZINE.—Current prices are from 4s. 6d. per oz., according to quantity.

RESORCIN.—In short supply. Current prices are from 10s. per lb. upwards.

ROCHELLE SALT.—The price of 1 cwt. is now 202s. 6d. SEIDLITZ POWDER is at 156s. 3d. per cwt. for ordinary strength; extra strong is 168s. 9d., and double strength 175s. 9d. per cwt.

SULPHANILAMIDE.—Large quantities are quoted from 5s. 9d. per lb. upwards; smaller quantities are at 7s. to 7s. 6d. per lb., according to pack.

TEREBENE.—Rates per lb. are as follows: Carboys, 3s. 9d.; 24 Winchester quarts, 3s. 10½d.; 12, 4s. 1½d.; 6. 4s. 5d.

TERPINEOL.—B.P. quality is quoted at 5s. per lb. for small lots.

THEOBROMINE.—Prices have been advanced owing to an increase in the cost of raw material. Prices per lb. net are as follows: ALKALOID, from 39s. 6d. to 43s. 6d., according to quantity; CALCIUM SALICYLATE and SODIUM SALICYLATE, from 22s. 3d. to 26s. 3d.; SODIUM BENZOATE, from 24s. 9d. to 27s. 9d. Assorted contracts may be booked for the above products (with the exception of theobromine and sodium benzoate) for not less than 5-cwt. lots over six months. 14-lb. tins and upwards free, other containers charged extra, tins being non-returnable. 1-cwt. (50-kilo) kegs/cases free for export, but for home trade charged extra and returnable. Carriage paid on net invoice value of not less than £20. Without engagement.

THYMOL.—Current prices are from 19s. to 20s. per lb., according to quantity.

Crude Drugs

AGAR.—Japanese material is available at a price to consumers of 19s. per lb.

ALOES.—Curaçao is steady at 240s. per cwt., spot; forward price is quoted at 210s. c.i.f. Socotrine is quoted from 175s. to 190s. per cwt. for fair to good material; poorer grades are offered at as low as 150s. Cape, for shipment, is quoted at 190s., c.i.f.

ARECA NUTS.—Ceylon is steady at 65s. to 67s. 6d. per cwt., according to holder.

BALSAMS.—*Canada* is quoted at 15s. per lb., spot; Parà *Copaiba* is quoted at from 8s. to 9s. per lb. *Peru* is at 7s. 6d. to 8s. per lb., duty paid. *Tolu* prices are from 18s. to 19s. per lb., spot.

BENZOIN.—In fair demand. Spot quotations for Sumatra are steady at from £17 10s. to £23 per cwt., according to quality.

CALABAR BEANS.—A dull market. Quotations are at 1s. 6d. per lb., ex warehouse Liverpool.

CALUMBA.—Steady. Spot quotations for washed root are from 80s. to 85s. per cwt. Natural root is offered at 55s. to 60s. per cwt.

CAMPHOR. — Steady. Chinese tablets (¼-oz.). quoted at 11s. 6d. per lb., spot; refined powder (B.P.), 11s..; Formosa crude (B.B.), 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

CANTHARIDES.—Chinese is quoted on the spot at 17s. 6d. per lb.; shipment offers are down to 10s. 9d., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts continues to be easy at 73s. 6d. per cwt., spot, London or Manchester; shipment quotations are at 67s. 6d., c.i.f. Bleached No. 1 is steady at 145s., ex store. Spot quotations for cleaned Talha are easier at 41s. per cwt.; forward, 38s., c.i.f. Reports from the Sudan state that exports have been steady.

GUM MASTIC.—No. 1 is quoted at 16s. per lb., duty paid.

JALAP.—Vera Cruz is quoted at prices from 2s. 3d. to 5s. per lb., according to test.

LIQUORICE ROOT. — Quiet. Anatolian whole root is steady at 60s. per cwt., spot. Turkish juice (blocks) is quoted at 250s. per cwt., duty paid; shipment, 225s., c.i.f. Italian block for shipment, 250s., c.i.f.

MENTHOL.—Brazil is quoted at 47s. 6d. to 49s. per lb., duty paid, according to holder. Chinese is steady at 52s. 6d. to 54s. 6d., duty paid; forward quotations are at 48s. 6d., c.i.f.

MERCURY.—Spot quotations are easier at £17 3s. 6d. per flask, ex warehouse; shipment value is at £16 12s. 6d., c.i.f.

PAPAIN.—Production in Tanganyika remains on a high level, according to reports. There is no sign of demand easing and local prices continue to show an inclination to rise. Further extensions of planting are taking place.

RHUBARB.—Chinese rough round, with a fair fracture, 7s. 9d. to 9s. per lb., according to quality and holder; poorer material is available at 4s. 6d. French rhapontica is quoted at 2s. per lb., spot.

SEEDS.—A fair inquiry for seeds has been received from the Continent during the past week, but no business has yet been reported. ANISE.—Cyprus quoted at 2s. 3½d. to 2s. 4d. per lb., spot, London or Liverpool. CARAWAY.—Dutch is easier at 1s. 5d. per lb., duty paid, spot, London. CELERY.—Indian offered at 1s. 6d. per lb., ex store Liverpool. CORIANDER. — Spot, Morocco offered at 57s. 6d. per cwt., duty paid, ex wharf London; Argentine, 55s. per cwt., duty paid in London or Liverpool; English quoted at 75s. to 80s. per cwt. CUMIN.—Spot, Morocco, 237s. 6d. to 240s. per cwt., duty paid; Indian, 235s. per cwt., ex wharf Hull or Liverpool; Cyprus, 240s. per cwt., ex wharf London. DILL.—Indian, nominal, 45s. per cwt., spot, London or Liverpool. FENNEL. —Indian, spot, London, offered at 115s. per cwt. Prices ex store Liverpool are from 100s. to 110s. per cwt. FENUGREEK.—Spot, Indian quoted at 50s. per cwt., ex wharf London.

SHELLAC.—Spot quotations ex warehouse London are as follows: F.O.T.N., pure, steady at 330s. per cwt.; F.O. standard, No. 1, 340s.; F.O. lemon, No. 1, 370s.; F.O. lemon, No. 2, 360s.; A.C. garnet, 375s.; buttonlac, 365s. per cwt.

SQUILL.—Quiet. Italian is quoted at 70s. per cwt., spot.

STRAMONIUM.—Indian leaf is quoted at 85s. per cwt., on the spot.

STROPHANTHUS.—Quiet. Kombé seed, 100 per cent., quoted at 10s. per lb.

STYRAX.—Small quantities are available at 5s. per lb., duty paid.

TONKA BEANS.—Frosted Pará is quoted at 4s. 9d. per lb., spot.

VANILLA.—The year's crop in Dominica is estimated at 60,000 lb. cured beans, states a Barclays Bank report. The weather has been satisfactory for sun-curing and the beans were expected to be ready for export in April or early May. Local prices range from 32s. to 38s. per lb.

WAXES.—A rather quiet market. Dar-es-Salaam BEES' is steady at 362s. 6d. per cwt. on the spot; shipment is at 350s., c.i.f. Lindi is quoted at 360s. per cwt., spot; shipment, 347s. 6d., c.i.f. CANDELILLA.—Spot quotation, 450s. per cwt.; forward, 442s. 6d., c.i.f. CARNAUBA.—Easier. Fatty grey is quoted at 830s. per cwt., spot; afloat, 750s., c.i.f.; May-June shipment, 650s., c.i.f. Prime yellow is quoted at 1,100s. per cwt., spot; afloat, 900s., c.i.f.; shipment, 850s., c.i.f. MONTAN.—Reibeck is steady at 400s. per cwt., spot; Czechoslovak crude is at 335s., spot. OURICURI.—2 per cent. is easier at 500s. per cwt., spot; shipment is quoted at 470s., c.i.f.; 9 per cent. is steady at 480s. per cwt., spot; 5 per cent. shipment is at 440s., c.i.f.

Essential Oils

CINNAMON LEAF.—Quotations are at from 12s. to 13s. 6d. per lb., according to quantity.

CITRONELLA. — Ceylon is quoted at prices from 8s. to 11s. 6d. per lb., spot.

CLOVE.—English-distilled from buds is quoted at 11s. to 12s. per lb., according to quantity.

CORIANDER. — Very scarce. English-distilled oil is available at 250s. per lb.

FENNEL.—Sweet oil is easier at 17s. 6d. to 20s. per lb., on the spot.

GERANIUM.—Bourbon, 75s. to 80s. per lb., according to quantity.

GINGER.—Quoted at 75s. to 125s. per lb., according to quality and seller.

GUAIACWOOD.—Quoted at 18s. to 19s. per lb., spot, according to quantity.

JUNIPER BERRY.—English-distilled, from European berries, is quoted at 130s. to 140s. per lb. Imported oil can be obtained at prices from 35s. to 40s. per lb.

LAVENDER.—French (38 to 40 per cent. esters) is steady at 55s. to 60s. per lb. Spanish (spike) is quoted at 13s. to 14s. per lb., spot.

LAVANDIN.—Quotations are from 15s. to 18s. per lb., according to quantity.

LEMONGRASS.—Cochin is quoted at from 10s. to 12s. per lb., spot.

LIME.—West-Indian distilled oil is quoted at 35s. to 40s. per lb., spot.

NUTMEG.—Scarce. English-distilled oil quoted at 77s. 6d. to 80s. per lb.

ORIGANUM.—Quoted at 18s. 6d. to 19s. 6d. per lb., spot.

PALMAROSA.—Spot, 35s. to 40s. per lb., according to quantity; forward quotations are easier.

PATCHOULI.—Seychelles, spot quoted at 125s.; to come forward, 80s. per lb. Singapore, spot, 180s. to 190s.

PIMENTO BERRY.—English-distilled oil is quoted at 60s. to 65s.

ROSEMARY.—Spanish is quoted at 9s. 6d. to 11s. 6d. per lb., as to quantity.

SANDALWOOD.—English-distilled, in limited supply, is quoted at 85s. to 90s. per lb., according to quantity.

SASSAFRAS.—Brazil is quoted at 5s. 6d. to 6s. per lb., spot.

Sicilian Essential Oils

DURING the month of April the prices of citrous oils in Sicily continued to remain at a comparatively high level. Lemon oil reached 1,300 lire, mandarin 1,900, sweet orange 1,900 and bitter orange 1,100 lire per Sicilian lb. (318 gm.). Generally speaking, the producers seem to be unwilling to part with their stocks and to prefer to hold them until next season. The belief current among local circles is that there will be more orders from the United Kingdom and that, therefore, the prices will be higher.

TRADE MARKS

(*From "The Trade Marks Journal," April* 30)

"CHLORBON"; for cleaning and polishing preparations, all containing chlorine. By Godfrey Thornfield, Fortess Grove, 28-34 Fortess Road, London, N.W.5. 646,363 (Associated).

"NAMFOS"; for detergents, bleaching preparations for laundry use and soap (3). By G. Havinden, Ltd., Havinden House, 71 Baker Street, London, W.1. 646,645.

"SOVATEXANT"; for cleaning, polishing, scouring and abrasive preparations (3). By The Standard Chemical Co., Cheadle Works, Mill Lane, Cheadle, Cheshire. 646,827 (Associated).

"NORTHERN FURS" and "TURBAN"; for bath salts, talcum powder, face powder and face cream, all being non-medicated toilet preparations; lipsticks, brilliantine, hair lotions, soaps, perfumes and dentifrices (3). By Lentheric, Ltd., 17 Old Bond Street, London, W.1. 646,847-48.

"PRIVILEGE"; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, soaps, and essential oils (3). By Edmond Rosens, 49 rue de Prony, Paris, France. 646,872.

"FLAREPATH"; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other Classes), sachets for use in waving the hair, soaps, and essential oils (3). By Osborne, Garrett & Co., Ltd., 51-54 Frith Street, Soho, London, W.1. 646,878.

"PEPTO-BISMOL"; for preparations containing peptone for the treatment of gastro-intestinal disorders (5). By The Norwich Pharmaceutical Co., Eaton Avenue, Norwich, New York, U.S.A. 639,996.

"CASANOVA"; for medicated creams for the skin, for sale in England and for export (5). By Nu-Organic Remedies, Ltd., 19A, Broadhurst Gardens, West End Lane, London, N.W.6. B641,233.

Words "TRADE MARK BABYLAND" and device of baby supporting letter "B" (letter "B" disclaimed); for pharmaceutical preparations (5). By Dorothy Lovett, 9 Eton Road, London, N.W.3. B642,412.

"SAN-NAP-PAK"; for sanitary towels (5). By San-Nap-Pak Manufacturing Co., Inc., 1440 Broadway, New York, U.S.A. 643,012.

"BUGLE"; for disinfectants; and insect and vermin destroying preparations (5). By "Cimex," Ltd., Sevenoaks Road, Pratts Bottom, Farnborough, Kent. 644,391.

"HORTOCIDE"; for insecticides and preparations for killing weeds and destroying vermin (5). By Plant Protection, Ltd., Yalding, Kent. B644,981.

"QUADINE"; for veterinary preparations (5). By Allen-Crowl Co., 317 Superior Street, Toledo, Lucas, Ohio, U.S.A. 645,829.

"KOFLIKO"; for cough medicines (5). By Ronald C. Crisp, 2 Nelson Street, Plymouth. B645,856.

"NEURO-TRANSENTIN"; for pharmaceutical preparations for human use and veterinary use in the treatment of nervous ailments (5). By Ciba, Ltd., 141-227 Klybeck Strasse, Basle, Switzerland. 645,954 (Associated).

"ETHISAN"; for pharmaceutical preparations and substances (5). By Cyril H. Brooks, 1 High Street, Barnet, Herts. 646,217.

"SOVATEXANT"; for disinfectants, insecticides, germicides, antiseptics, larvicides, fungicides, bactericides and parasiticides (5). By The Standard Chemical Co., Cheadle Works, Mill Lane, Cheadle, Cheshire. 646,828 (Associated).

"PATHFINDER"; for scissors and nail nippers (8). By W. H. Fagan & Son, 71-73 Great Eastern Street, London, E.C.2. 638,355.

"VEEDAK"; for appliances for fitting to safety razors to preserve the edge of the blade (8). By L. P. Kelly, 11 Collingwood Avenue, London, N.10. 643,750.

"MODULO"; for lens attachments for cameras and for optical projection apparatus (9). By R. G. Lewis, Ltd., 5 Claremont Bank, Shrewsbury. 646,768.

(*From "The Trade Marks Journal," May* 7)

"SULPHETRONE"; for chemical products used in industry, science, photography, agriculture, horticulture and forestry (other than insecticides, fungicides and weed killers), all consisting of or containing sulphur compounds (1). By The Therapeutic Research Corporation of Great Britain, Ltd., 19 Buckingham Street, Strand, London, W.C.2. 636,314 (Associated).

"RED CARNATION"; for gum tragacanth for use in manufactures (1). By Kimpton Bros., Ltd., 110 Fenchurch Street, London, E.C.3. 647,294.

COMING EVENTS

Tuesday, May 20

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Imperial Hotel, Temple Street, Birmingham, at 8.15 p.m. Annual meeting.

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Imperial Hotel, Temple Street, Birmingham, at 9 p.m. Annual meeting.

LEEDS BRANCH, NATIONAL PHARMACEUTICAL UNION, Great Northern Hotel, Leeds, at 7.30 p.m. Annual Meeting.

Wednesday, May 21

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 12 noon. Annual meeting.

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Literary Institute, Temple Street, Aylesbury, Bucks, at 8 p.m. Professor H. Berry, B.Sc., Ph.C., A.R.I.C. (Dean of the Pharmaceutical Society's College) on "Recent Advances in Pharmaceutical Practice."

Thursday, May 22

THAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Annual meeting.

CHADWICK PUBLIC LECTURE, Town Hall, Cheltenham, Glos, at 3 p.m. Sir Arthur MacNatty on "Advances in Preventive Medicine during the 1939-45 War."

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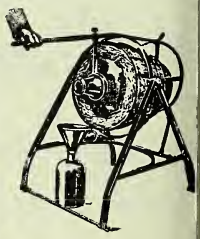

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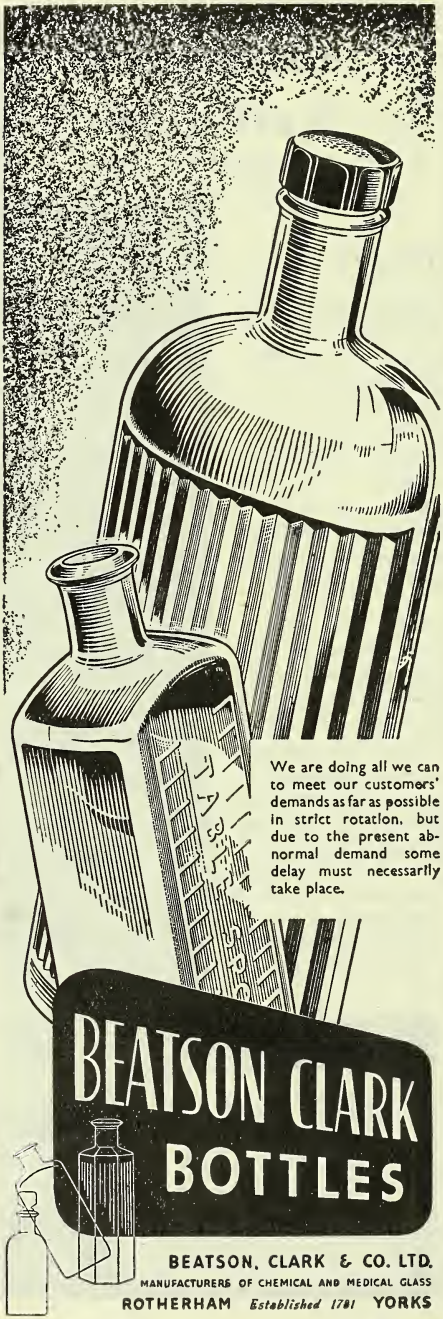

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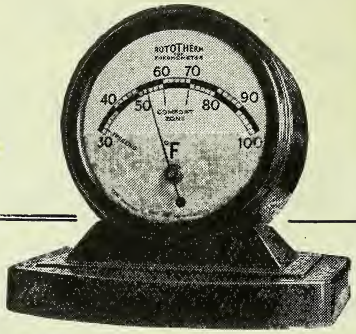

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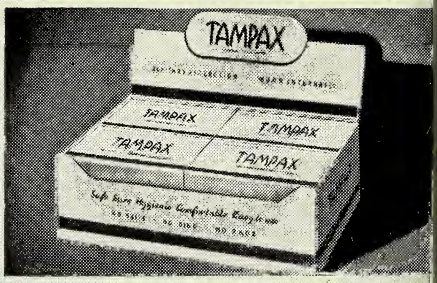

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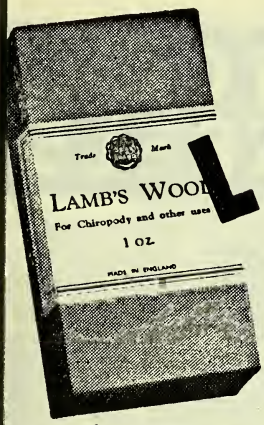

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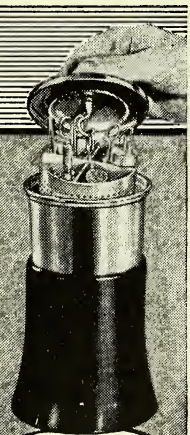

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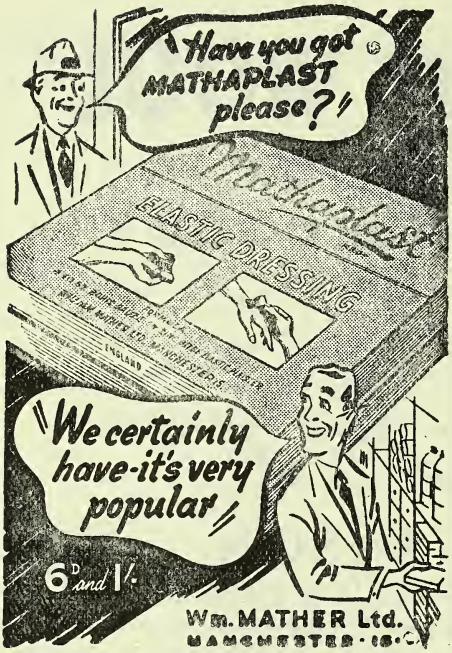

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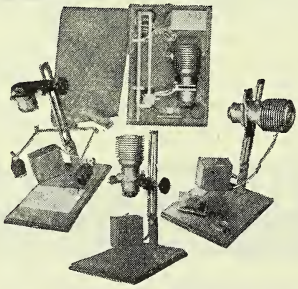

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to insects

A trade wind

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When customers use one brand-name to describe a particular class of goods, it's obvious that the brand leads the market. So it is with FLIT — a household word and a household *necessity*. FLIT is the world's No. 1 insecticide: a product which sells first because it kills in a second!

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PUTS YOUR PACK ON A PEDESTAL

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Price 3d each INCL. TAX

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SCIENTIFICALLY FORMULATED INSECTICIDES

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Containing D.D.T. Plus a High Percentage of Pyrethrum

SPECIAL INSECT POWDER
In handy-sized sprinkler-top containers. 1/6

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In 16oz., 32oz. & Gallon Cans. 2/9, 4/9, 17/6 respectively.

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For Horticultural and Agricultural Use

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THERE IS ONLY ONE WINNER

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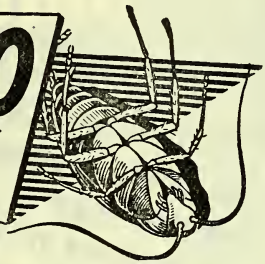

The insecticide that sells on sight and repeats on merit

Made in the Factory that supplied H.M. Government with D.D.T. products during the War.

Retail Prices of SECTO D.D.T. are :—

Powder 1/3 2/6 5/6 **Liquid 3/- 6/- 15/-**

Usual Trade Profit Margins and Discounts

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At the moment we are unable to keep pace with the rapidly growing demand for "Stergene," our new scientific washer and cleanser, but we hope supplies will increase before long. Meanwhile we are doing our best to give everyone a fair share of the limited quantity available.

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MINERAL OIL

AVAILABLE IMMEDIATELY

Ideal for Brilliantine, pure and odourless

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IN CAPSULE FORM

- IMPROVED FORMULA
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Rhumuv Capsules give maximum relief from rheumatic pains, headaches, neuralgia, influenza, feverish colds, etc

Attractive trial show outer now available, containing
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Postage Free per carton. Total cost - 18/4d.

Orders filled in strict rotation from—

Simpkins of Sheffield

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Though this preparation re mains in short supply owing t container difficulties, we hav been able to increase our out put over the past few weeks and have cleared the bulk o outstanding orders.

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Diuromil

remains readily availabl either through your wholesal house or direct from us.

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IBEX HOUSE, MINORIES, LONDON, E.C.

for healthy hair—

NODAN—prepared from a highly scientific formula — clears dandruff and scurf and retards baldness. It penetrates deeply, acts *quickly*.

Price to public
3/10½ inc. tax

NODAN

Display material available
Enquiries to :
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NO POINTS REQUIRED ! ! !

NO CHEMIST SHOULD BE WITHOUT THIS FINE ALL-YEAR SELLING LINE

"LIKRO-MENTHS"

LIQUORICE & MENTHOL PELLETS

6d. and 1/- inc. tax.

Boxed 4 dozen packets to display outer
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Minimum — 3 outers
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for **ASTHMA**

One Tablet is an effective dose

NOW IN THREE SIZES:
1s 1½d, 3s 4½d & 11s 10d INCL.

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SOUND VALUE
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Do you have a business or product in the pharmaceutical toiletry or cosmetic field that has national sales possibilities? If you have, we are interested and would like to have brief particulars sufficient to lead to an interview with an Executive of this Company.

The advertisement is placed by one of the largest manufacturers and advertisers in the pharmaceutical and toiletry fields. We are interested in products old and new. National distribution is not essential.

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Address Box 164/543, C. & D. Office.

P.A.T.A.

Christy's PER-DE-CO has now been accepted by the P.A.T.A. for inclusion in its protected list. Authorised terms from 1st May, 1947 are

Small Size
Public 1/6, Chemist 12/- oz.

Large Size
Public 2/6, Chemist 20/- oz.
Exempt from Purchase Tax

Display Terms
5% discount on orders for 3 doz. and over of either or assorted sizes.

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Sole Distributors THOS. CHRISTY & Co. Ltd.,
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'JAM' TO-MORROW

And even if a bit thin—Jam today as well. It is our constant endeavour to increase supplies both of "Bread and Jam" and —as always—to spread these supplies evenly and fairly

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For all the people who want it.

Our policy therefore is to distribute all available supplies to our Chemist Friends only.

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Minor burns from various causes respond quickly to the application of Butesin Picrate Ointment. The anæsthetic and analgesic value of this local treatment is so pronounced that the intense pain speedily subsides after application and subsequent infection is generally prevented. Butesin Picrate Ointment can also be recommended in the treatment of non-specific ulcers, skin lesions in minor lacerations and abrasions. Always ready for instant use. Available in 1 and 2 oz. tubes and in 1 lb. and 5 lb. jars. Literature and Price List on request.

BUTESIN PICRATE OINTMENT

(ABBOTT)

ABBOTT LABORATORIES (ENGLAND LTD. — Wadsworth Road, Perivale, Middlese

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ESSENTIAL FOR SKIN HEALTH!

Caria Radium Skin Balm is rich in radio-activity and incorporates medicinal Spa-Mud. The powerful skin healing properties of Caria Radium Skin Balm make it invaluable as a treatment for Blotches, Red Patches, Chafing, Acne, Eczema and Chilblains. All the qualities of Caria Radium Spa Mud are fully active in Caria Radium Skin Balm.

JARS
2/9, 5/2½, 9/7
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CARIA RADIUM

SKIN BALM

3 MILL STREET, CONDUIT STREET, LONDON, W.1

GELATINE (EDIBLE)

Enquiries invited for
Pure Food (fully guaranteed)
EDIBLE GELATINE
from holders of Board of Trade open, specific or consumer Licences. Minimum quantity supplied 3 cwts.

Please state, Type Quality and Quantity required

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Order supplies of ASPIRIN 309 immediately—continuous Local and National Advertising supports you. Samples—and Display materials sent free upon request. *Manufactured by Smith, Saville & Partners Ltd. Willshaw St., London S.E.14*

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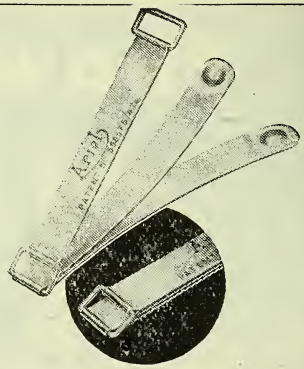
Alka-Seltzer

QUICK DOUBLE-ACTION
ALKALISES, RELIEVES PAIN

Here's profit to you

QUIZ teethbrush

ROBT. A. ROONEY & SONS, LONDON, E.17
Makers of fine Brushes for 150 years



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FOR IMMEDIATE DELIVERY

	Per Gross	P.T.	Total
3½″ DUST COMBS	76/-	25/4	101/4
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6¾″ BARBER COMBS	55/4	18/6	73/10
6″ DRESSING COMBS	37/-	12/4	49/4
TAIL COMBS	42/-	14/-	56/-

ALL ASSORTED COLOURS
Please send remittance with order
Goods despatched C.O.D. if preferred

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CHEMICAL SUPPLY

White Odourless Mineral Oil. **10/6** to **13/6** per gallon, *depending on quantity.*

Sulphonated Lauyl Alcohol. Liquid. **4/-** to **5/-** per lb., *depending on quantity.*

"Rohsem" R.C.E. The White cream maker **7/6** per lb. Lavender (French—Finest newly imported) compounds at **64/-** per lb.

State purpose when asking for sample.

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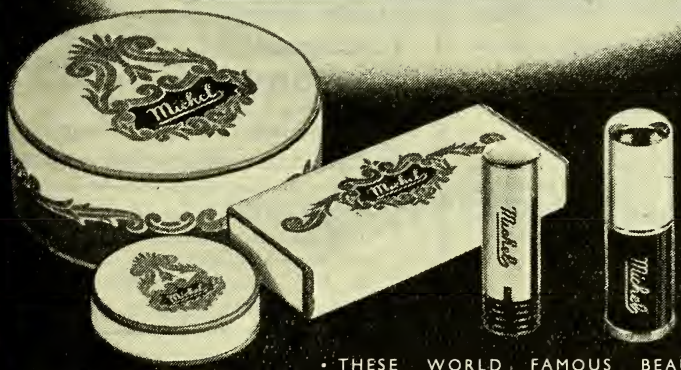

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Butylash EYE SHADOW

for BEAUTIFUL EYES
ND LONG LASHES

RETAILS **2/6**

st 12/- per doz. plus P.T.

LACK, BROWN, BLUE, GREEN AND COLOURLESS

IN ONE DOZEN DISPLAY OUTERS

DER NOW FROM—
MAW, SON & SONS LTD., BARNET

SELECTA COSMETICS
remind Pharmacists of last year's Best Seller
SELECTA

"LIQUID STOCKING" DYE

A Concentrated Product for Best Results

Gives fast and even tans in
TAN, SUNTAN or BEIGE
Each packet 15/- to make 2 gallons

ALSO

SELECTA LIQUID MAKE-UP DYE

One packet makes 4 gallons of superior Liquid Make-up in 5 minutes. Usual retail price 1/6 per 2-oz. bottle

Obtainable Complete with instruction leaflet in
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MAKE STANDARD ARTICLES SELLING EVERYWHERE. NO RECOMMENDATION NECESSARY

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LOVELUCK EDWARDS & CO.
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STANDARD PARCEL 304 POINTS

4 lbs. BARLEY SUGARS
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7 lbs. FRUIT PASTILLES

Sole Distributors for London and Greater London

KALE BROTHERS, 23, ST. KILDA'S RD., N.16.

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Large quantities available. Dark blue Hex. Poison, Dark blue Square, White Chest, White Shop Round. All Glass Stoppered. Various sizes.

20 gross (approx.) Drop Stoppered Bottles for passive defence — 1 oz.

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RETAIL 2D EACH

18/- per gross, 5 gross lots less 10%. Carriage Paid. Cash with Order.

Sample on request.

SPECIAL PRICE FOR 100 GROSS LOTS, printed with own name.

MOORE'S (Sheffield) L T D

8/10 GRANVILLE STREET, SHEFFIELD, 2

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1 cwt. Caffeine Alkaloid, 2 × 100 oz. Ephedrine Hcl., 5 kilos Dehydrocholic Acid, 56 lbs. Sod. Benzoate immediately available. What offers?

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10,000,000 saccharin tablets per week is the ceiling of the advertisers. We are prepared to make your saccharin tablets and give you very prompt delivery. Write 169/711, C. & D. Office.

½-oz. flat oval sprinkler bottles,
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All with bakelite caps and wads. Several hundred gross of each line for prompt delivery ex. stock.

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